# U.S. NAVY INTERNATIONAL TRAINING & EDUCATION CATALOG

2016

NAVAL EDUCATION & TRAINING SECURITY ASSISTANCE FIELD ACTIVITY

*Updated 01 Feb 16*

This catalog contains many sources of U.S. Navy Security Assistance including, in some cases, estimated costs ad specific purchasing data. These specifics are included only to assist the requestors in long-range planning and budgeting. This report does not constitute a promise, implied or actual, to supply U.S. Security Assistance; it only provides information which requestors may use to make inquiries through prescribed, official U.S. Navy Security Assistance channels (NETSAFA or Navy IPO).

Any request for assistance, while welcomed, is subject to some or all of the following restrictions:

a. Request must be official

b. There will be a charge for training or services. The exact cost will depend upon the laws and funding procedures in effect at the time of the request, and the nature of the request.

c. Information, training, or data on specific equipment or systems can only be provided if they have actually purchased or for which a Letter of Offer and Acceptance (LOA) has been signed.

d. Requests for classified data are subject to proper disclosure authorization; therefore, such requests may be denied in whole or in part.

# TABLE OF CONTENTS


**SECTION 1: OVERVIEW** **PAGE**

Letter of Promulgation. . . . . I-1
Introduction. . . . . .I-2
How to Request Training. . . . . I-2
Classified Training. . . . . I-3
Training Cancellation Fee Policy. . . . . I-4

**SECTION II: PROFESSIONAL MILITARY EDUCATION**

Naval War College. . . . . .II-1
Naval Command College (NCC) . . . . . II-1
Naval Staff College (NSC). . . . . II-2
Naval War College CD Rom Based Correspondence Program. . . . . II-2
Naval War College Quota Procedures. . . . . II-3
Naval Postgraduate School (NPS) . . . . . II-4
Defense Resources Management Institute (DRMI) . . . . . II-13
Center for Civil-Military Relations (CCMR). . . . . II-15
International Defense Acquisition Resource Management (IDARM) . . II-20
Defense Institute of International Legal Studies (DIILS) . . . . . .II-23

**SECTION III: OFFICER TRAINING**

Aviation Officer Training. . . . . III-1
Surface Warfare Officers. . . . . .III-4
Expeditionary Warfare Training . . . . . III-7
Submarine Officer Training. . . . . III-7
Intelligence Officer Training. . . . . .III-7
Civil Engineering Corps. . . . . III-8
Chaplain Corps. . . . . .III-9
Supply Officer. . . . . III-10

**SECTION IV: ENLISTED TRAINING**

Enlisted Skill Ratings. . . . . IV-1
Enlisted Skill Training. . . . . IV-3
Enlisted Leadership Training. . . . . IV-13

**SECTION V: SPECIALTY TRAINING**

Defense Language Institute . . . . . V-1
Combating Terrorism Fellowship Program Course List . . . . . V-2
International Only Course List . . . . . V-4
NETSAFA International Training Center . . . . . V-6
Navy Small Craft Instruction and Technical Training School . . . . . V-13
Center for Explosive Ordnance Disposal and Diving . . . . . V-18
Naval Explosive Ordnance Disposal . . . . . V-18
Naval Diving and Salvage Training Center . . . . . V-19
Basic Underwater Demolition/SEAL (BUDS/S) . . . . . V-40
USN Surface Rescue Swimmer School . . . . . V-42
Navy Oceanographic Office . . . . . V-45

**SECTION VI: COURSE LISTINGS BY TITLE** . . . . . VI-1

**SECTION VII: COURSE DESCRIPTIONS BY MASL** . . . . . VII-1

# TABLE OF CONTENTS

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# LETTER OF PROMULGATION

The Naval Education and Training Security Assistance Field Activity (NETSAFA) is providing this catalog to you as an aid to planning and programming Navy training. It is not intended as a stand-alone document but as a tool for use in working with the respective NETSAFA Country Program Manager responsible for your region and supporting your requirements. NETSAFA is committed to supporting the Navy's vision as defined in the Revised Cooperative Strategy for the 21st Century (CS-21R), one of the four Lines of Efforts is to Expand and Strengthen our Network of Partners to Deepen Operational Relationships with other Services, Agencies, Industry, Allies and Partners – who operate with the Navy to support our shared interests.

The NETSAFA mission is to develop, execute and manage Security Assistance and Security Cooperation Education and Training programs in support of your endeavors in your position as the front line interface with our international partners through our support of the Security Assistance and Security Cooperation Programs, as authorized by the Foreign Assistance and the Arms Export Control Acts.

We remain committed to strengthening defense relationships and building partner capacity and capability while carrying out our mutual security interests and U.S. foreign policy. We are dedicated to helping you meet the challenges and changes of Security Assistance and Security Cooperation in an era of defense downsizing, changing threats, increased overseas competition, congressional interest, and new information technology.

Our goal, of which this catalog is a physical part, is to provide you with the best quality, speed and reliability of information and service in order to best meet your training needs.

It is in this spirit of providing you with the best possible information in a timely manner that we provide this updated catalog. We welcome your inputs for proposed changes: in writing, by telephone, by e-mail, or any other means.

*Douglas E. Heady*

DOUGLAS E. HEADY
Commanding Officer

# INTRODUCTION

NETSAFA is the U.S. Navy's agent for international education and training. NETSAFA coordinates training support to international governments and international organizations. As a field activity of the Naval Education and Training Command (NETC), NETSAFA serves as a focal point for all security assistance training program issues, coordination and advice within the U.S. Navy.

NETSAFA is an integral part of Navy International Programs Office (Navy IPO); therefore NETSAFA works with and through the Navy IPO chain of command. NETSAFA is committed to providing world class customer training support first and foremost and will work to assure the best training support for our international partners through Navy, other government institution and organizations, and private industry providers.

**HOW TO REQUEST NAVY TRAINING**

1. Initial country program requests for Navy training should be presented at the annual Security Cooperation Education and Training Working Groups (SCETWG) sponsored by the Unified Commands. This allows advance planning and maximum flexibility to accommodate country requests.

2. The Navy will make every effort to accommodate country requirements as long as space is available in the course requested.

3. Requests for out of cycle training and changes to training programs should be addressed to the appropriate NETSAFA Country Program Manager. Messages, phone calls, fax, and e-mail are acceptable. These requests should include course title, location, MASL number, grade of student to attend, and funding/programming information.

4. Host Nations can view and search on-line for all services training available using the I-SANweb. An I-SANweb account for the Host Nation may be obtained by the Security Cooperation Officer (SCO). Additionally, this catalog is available online at the NETSAFA website at https://www.netsafa.navy.mil.

5. For training not found in this catalog, contact the appropriate NETSAFA Country Program Manager to discuss potential solutions to meet requested training.

Country/Region Mgr – 850-452-xxxx (See Ext. below)

DSN: 459-XXXX - Fax: (850) 452-2953

| | |
|---|---|
| PACOM | 8832 |
| CENTCOM | 8846 |
| SOUTHCOM | 8846 |
| NORTHCOM | 8846 |
| AFRICOM | 8816 |
| EUCOM | 8816 |

**CLASSIFIED TRAINING**

The Navy Foreign Disclosure Manual requires a disclosure determination by NAVY IPO's Technology Assessment, Exchanges and Disclosure Division prior to foreign participation in all classified courses. This must be done prior to scheduling or confirmation for course attendance.

Classified training is provided on a need to know basis only. All requests for courses not previously attended by the country must include justification; i.e., explanation of circumstances and facts supporting the request.

Approval of foreign nationals for training in classified technical training courses that pertain primarily to the operation and maintenance of a U.S. item will not be authorized unless the government concerned either 1) has the item in its inventory; or, 2) has signed a commitment to purchase the equipment.

Paragraph 21003 of the Navy Foreign Disclosure Manual outlines the procedures for classified training disclosure reviews.

## TRAINING CANCELLATION FEE POLICY

A 50 percent cancellation penalty will be applied for all courses cancelled within 60 days of the course start date.

Additional cancellation penalties may be assessed as follows:

Acceptance of a confirmed quota is assumed once it resides in the country standardized training list for at least 30 days, or sooner, if accepted in writing.

Courses not identified elsewhere in this message are subject to the standard 50 percent cancellation charge if cancelled within 60 days prior to course commencement and cannot be filled by another student.

Following is the FY-15 list of courses that will always incur a 100 percent cancellation charge once a contract is let or a quota is confirmed, unless quota is filled by another student or waived by the MILDEP. Unless otherwise stated, contract supported courses establish contracts at least 90 days prior to the course convening date.

| MASL | COURSE TITLE |
|---|---|
| P119311 | INTL BASIC AVIATION PREP |
| P122060 | INTL EOD PHASE I |
| P122079 | EOD PREPARATORY TRNG |
| P122109 | FUNDAMENTALS OF RADAR SIGNAL PROCESSING |
| P123000 | INTEL EOD IED |
| P123300 | INTL EOD PH II SURFACE |
| P123301 | INTL EOD PHASE II NAVY |
| P124084 | NSW INTERNATIONAL SOF PHYS TRNG PREP CRS |
| P129008 | OPERATIONAL TEST AND EVALUATION COURSE |
| P129600 | NAVAL GROUND FORCES COMBAT LEADERSHIP |
| P145054 | STRATEGIC LEVEL SMALL CRAFT COMBTG TERRORISM COURSE |
| P145JT0 | OJT NAVSEA (INTL SHIPYARD MANAGEMENT COURSE OJT) |
| P156600 | BUDGET PREPARATION, EXECUTION AND ACCOUNTING |
| P159200 | DEFENSE ACQUISITION MANAGEMENT |
| P159202 | PRINCIPLES OF DEFENSE PROCUREMENT AND CONTRACTING |
| P162000 | RISK MANAGEMENT |
| P162003 | INTERNATIONAL DEFENSE MANAGEMENT COURSE |
| P162004 | SENIOR INTERNATIONAL DEFENSE MANAGEMENT COURSE |
| P162014 | PERFORMANCE MANAGEMENT AND BUDGETING |
| P162018 | HUMAN CAPTIAL RESOURCES MANAGEMENT |
| P162019 | BUSINESS CASE ANALYSIS |
| P162226 | INTERNATIONAL LEADERSHIP AND MANAGEMENT SEMINAR (USCG) |
| P162285 | INTERNATIONAL CRISIS COMMAND AND CONTROL (USCG) |
| P162368 | INTERNATIONAL SHIPYARD MANAGEMENT |
| P170001 | CCMR EXEC PRGM IN DEC MAKING |

| | |
|---|---|
| P170006 | DEF PLAN CERTIFICATE |
| P170009 | CCMR INTEL AND POLICY IN RESIDENCE |
| P170016 | MANAGING CHALLENGES OF MODERN INTEGRATED MISSION |
| P170026 | CYBER SECURITY FUNDAMENTALS CERTIFICATE |
| P170027 | CYBER SECURITY DEFENSE CERTIFICATE |
| P171039 | INTERNATIONAL PROFESSIONAL ADV LEADERSHIP |
| P171404 | INTELLIGENCE AND DEMOCRACY |
| P171406 | INTERNATIONAL DEFENSE TRANSFORMATION |
| P171575 | INTERNATIONAL MARITIME OFFICER'S COURSE (IMOC) (USCG) |
| P171854 | COMMAND AND STAFF COLLEGE REGIONAL SEMINAR |
| P173002 | INTERNATIONAL ANTI-TERRORISM/PIRACY COURSE |
| P173016 | INTERNATIONAL BOARDING OFFICER'S COURSE (USCG) |
| P173101 | BOARDING OFFICER (USCG) |
| P176019 | LAW OF ARMED CONFLICT AND HUMAN RIGHTS |
| P176026 | INTERNATIONAL MILITARY LAW DEVELOPMENT PROGRAM |
| P176027 | INTERNATIONAL LAW OF MILITARY OPERATIONS |
| P176028 | LEGAL ASPECTS OF COMBATING TERRORISM |
| P176029 | INTERNATIONAL MILITARY LAW DEVELOPMENT PROGRAM-ILOMO |
| P176040 | LEGAL ASPECTS OF COMBATING CORRUPTION |
| P176042 | LEGAL ASPECTS OF DEF SUP OF CIVIL AUTHORITIES |
| P179018 | CIV-MIL RESP TO TERRORISM |
| P179022 | MARITIME TERRORISM |
| P179023 | UN CIV-MIL COORD OFFICERS RESIDENT COURSE |
| P179048 | UN PKO OPS INSTRUCTORS RESIDENT COURSE |
| P179069 | INTERNATIONAL DEFENSE ACQUISITION NEGOTIATIONS |
| P179085 | UN PKO CONTINGENT COMMANDERS RESIDENT COURSE |
| P179204 | MANPOWER, PERSONNEL, TRAINING AND EDUCATION MANAGEMENT (MPT&E) |
| P179220 | TECHNOLOGIES FOR INFORMATION OPERATIONS |
| P179610 | FUNDAMENTAL SKILLS TRAINING |
| P179612 | TECHNICAL TRAINING IN ELECTRICITY AND ELECTRONICS |
| P179613 | TECHNICAL TRAINING IN MECHANICS |
| P179614 | TECHNICAL TRAINING IN LOGISTICS/SUPPLY |
| P273011 | MET CT-REGIONAL CIV-MIL |
| P279000 | MET REGIONAL NAVPGSCHOL |
| P309061 | MET DIILS SEMINARS |
| P309069 | MET CT RESPONSES TO TERRORISM |
| P366CS8 | CONTRACTOR SUPPORT * NITC |
| P471854 | CSCDEP REGIONAL SEMINAR OCONUS |
| PCMRCS1 | CONTRACTOR SUPPORT-CCMR-MET/MTT |
| PDET001 | ORIENTATION/OVERVIEW |
| PDET002 | COMPUTER TECHNOLOGY AND MGMT INFORMATION SYSTEMS |
| PDET016 | DIVE AND SWIM PREP |

There are other courses where a cancellation charge will apply. In those cases, the customer will be informed in advance, either when P&A data is provided; with a note in the LOA; or in correspondence dealing with scheduling. These courses generally fall into three categories:

a. Training where a contract must be in place prior to student arrival. This is most likely to happen during ship transfers UNCLAS aircraft sales where regular U.S. training is not available or when U.S. military instructors are not available. This also occurs when courses use contract instructors and administrative support.

b. Training that incurs up-front costs prior to actual commencement of training. Examples would be: Changes to computer programs (such as, aviation training where computer software must be changed or modified in either the aircraft or the simulator or both) and up front translation cost or tailoring of course material to meet a specific country requirement.

c. High cost/high demand courses. When a country cancels a quota that requires excessive lead time therefore preventing any other student to fill the quota; total or partial course costs may be assessed regardless of the number of days' notice prior to course convening. Cancellation charge assessment will be at the discretion of the MILDEP.

Many of the expanded IMET mobile education teams (MET) and all mobile training teams (MTTs) programmed through don fall into category b above. A cancelled MET or MTT will be charged 100 percent of the variable preparation costs that may have been incurred prior to the time of cancellation (i.e. travel, per diem, honorariums, course preparation, translation and print costs, miscellaneous trip preparation costs, in-country site costs, and salary costs for preparation and conduct of the met, including USCG Program Support Fee (PSF)). MET/MTT providers will detail such expenditures and notify the cognizant service for review. MET providers will detail such expenditures and notify NETSAFA which will review and charge to appropriate country's IMET account. Questions concerning appropriateness of charges should be forwarded via the cognizant service POC, (i.e., NETSAFA/COGARD/MCSCG) to navy IPO/DASN (IP) (240T).

Cancellation charges will not be applied when cancellation is due to (1) decisions by the U.S. such as deletion or rescheduling of classes, (2) unavoidable circumstances within a country, such as a national disaster, or (3) personnel required to support the global war on terrorism.

Penalty fees will be programmed for applicable courses and will be designated by an "s" in the WCN suffix to indicate that a penalty fee was charged for the training line.

# PROFESSIONAL MILITARY EDUCATION COURSES

Positions of higher responsibility require an education that broadens an officer's background from strictly his/her service and military knowledge to joint combined operations, economic and political considerations, and the political decision making process. The courses listed in this section are designed to provide this education.

In the U.S. Navy education continuum, mid-career officers earn Phase I of their Joint Professional Military Education (JPME) by attending an intermediate level service school (such as the Naval Staff College for International Naval Officers). Phase II of their JPME training is the Joint and Combined Staff Officer School at the Joint Forces Staff College. More senior officers attend Top Level Schools (such as the Naval Command College for International Naval Officers). These courses are described below:

**NAVAL WAR COLLEGE** (www.nwc.navy.mil)

## I. NAVAL COMMAND COLLEGE

The Naval Command College is a graduate level international program designed for senior naval officers. The mission of the Naval Command College is to enable specially selected senior international naval officers to develop skills in national security decision making, build strategy and policy analytical frameworks, and gain expertise in joint war-fighting doctrine, to provide a quality informational program to increase understanding of U.S. institutions and society, to foster friendship and cooperation, and to prepare these officers for higher command responsibilities and increase cooperation among navies of the world in order to foster peaceful use of the seas, diffuse crises, and when necessary, work together to fight and win our nation's wars. To enhance this understanding, it is equally important that senior international naval officers achieve a balanced understanding of the United States' society and the inner strengths of America. As a result, the program includes informational visits to business and financial organizations, industrial complexes, education institutions, governmental agencies as well as military facilities throughout the United States.

**Naval Command College (P171001):** The Naval Command College course is conducted once annually and is open to Navy officers, grades 0-5 and 0-6 (Commanders and Captains). This program is segregated from its U.S. counterpart; however, the academic programs are almost identical insofar as disclosure restrictions allow. Students pursue the prescribed studies in Policy and Strategy, Defense Economics, Decision Making, and Naval Operations. They follow the same basic schedule and are integrated into the seminars and lectures of their U.S. counterparts. On an optional basis they may participate in the Electives Program. Their studies differ only in the addition of a preliminary orientation study and series of Field Studies Program (FSP) trips designed to familiarize them with U.S. Navy organization, methods, and doctrines, as well as the government, economy, culture and geography of the United States.

## II. NAVAL STAFF COLLEGE

The Naval Staff College (NSC) is a graduate level international program, designed for mid-career naval officers, which is vital in expanding understanding and cooperation among the world's navies. As coalition forces are increasingly summoned to respond to conflicts and promote peace around the world, the NSC has adapted with Maritime Staff Coalition sessions that are designed to enhance the educational experience of the international officers attending the Naval War College. It's objective is to increase student understanding of global maritime coalition operations. Additionally, the Naval War College's academic departments have adapted course studies to reflect the mission confronting the naval forces of today. For example, the course incorporates studies of security assistance, combating terrorism, insurgency and counterinsurgency, low intensity conflict, multilateral peacekeeping, human rights, and drug control and interdiction. The course provides its students who are the future leaders in their respective navies with a unique and unmatched opportunity to come together as a team to gain a respect and appreciation of other cultures, and provides a place for individual professional study in order to realize each student's potential.

**Naval Staff College-10 Month (P171010):** The Naval Staff College 10-month course (NSC-10) is conducted annually, commencing in July, and is open to Naval, Coast Guard or Maritime Service officers, grades 0-3 and 0-4 (senior Lieutenants and Lieutenant Commanders). This program is a separate resident college within the U.S. Naval War College; however, the academic programs of NSC-10 and its U.S. counterpart, the College of Naval Command & Staff, are almost identical insofar as disclosure restrictions allow.

Students pursue the prescribed studies over three trimesters in Strategy and Policy, National Security Decision Making, and Joint Military Operations. They follow the same basic schedule and are integrated into the seminars and lectures of their U.S. counterparts. On an optional basis they may participate in the Electives Program during two trimesters. Their studies differ from their U.S. counterparts in the addition of a preliminary orientation study, a course in Operational Law conducted during one trimester, and a series of curriculum Field Studies Program (FSP) trips designed to familiarize them with U.S. Navy organization, methods, and doctrines, as well as the government, economy, culture and geography of the United States.

## III. NAVAL WAR COLLEGE CD-ROM BASED CORRESPONDENCE PROGRAM

The Naval War College correspondence course program is open to military officers who otherwise would not be eligible to attend the Naval Command College. Fluency in the English language is required. Extensive reading and writing requirements are associated with each course. The program employs a substantial number of video and audio lectures to help officers complete the course requirements

by highlighting key thematic points essential to understanding the material. The estimated time it will take an officer to complete the program is 16-18 months based upon a commitment of 4-6 hours per week.

Internet access is not required since the course material is distributed via DVD. Students will submit written assignments by means of e-mail, fax, or the postal system as appropriate to individual situations. Faculty will assess them and provide individual feedback. The individual courses are described below:

Strategy and War (S&W) (P171490): The S&W course provides students the opportunity to examine national policy questions and related strategic problems from selected historical case studies. The study is undertaken in sufficient depth to understand the complexities of the issues and factors involved in the past, and will assist the student in arriving at sound decisions by applying historic example, logic and thought to the complex problems of today and the future.

Theater Security Decision-Making (TSDM) (P171491): The TSDM course is designed to educate students in the effective selection and leadership of armed forces within the constraints of national resources. The course provides instruction in the strategic planning and selection of future military forces; systematic techniques for making programmatic choices under conditions of high uncertainty; and the nature of economic, political and organizational factors that affect the selection and command of military forces and employs a multi-discipline approach, synthesizing selected concepts from economics, political science, strategy, operations research, leadership, management control, and other related disciplines.

Joint Maritime Operations (JMO) (P171492): The JMO course is designed to improve student awareness of operational-level naval force employment decision factors. The course considers principles of war, international law, naval missions and functions, current platforms and systems, and planning. A series of operational-level case studies is included to exercise planning and decision making skills.

IV. NAVAL WAR COLLEGE QUOTA PROCEDURES

Attendance for residence courses is only by invitation extended from the Chief of Naval Operations. Since facilities are limited and to ensure an equitable representation of nationalities in the College, only one student is accepted from each country that receives an invitation and responds in a timely manner.

# PROFESSIONAL MILITARY EDUCATION COURSES

## NAVAL POSTGRADUATE SCHOOL (www.nps.edu)

The Naval Postgraduate School (NPS), founded in 1909, is a fully accredited university offering over 75 unique academic master's curricula to military and civilian members of the Department of Defense and allies around the world. These graduate level programs are focused on increasing the combat effectiveness of U.S. and allied armed forces, and fully support the unique needs and interests of the defense establishment. All programs contain a military application and are not duplicated at civilian colleges and universities. The uniqueness of NPS is further enhanced by an outstanding civilian faculty (98% with PhD's), and a motivated and talented joint student body representing all services. Each curriculum has a military sponsor (flag or general officer) who reviews course content with NPS faculty and military program officers every two years, thus enabling NPS to change and adjust courses to rapidly meet the current needs of the fleet and operating forces.

Current international student enrollment includes 225 students from 48 countries. More significantly, over 30% of these students are enrolled in EXPANDED INTERNATIONAL MILITARY EDUCATION AND TRAINING (EIMET) certified programs, to include Civil-Military Relations, Combating Terrorism Policy and Strategy, Regional and Strategic Studies, and several resource management curricula to include Acquisition and Contracting, Systems Acquisition, Logistics Management, Financial Management, Manpower Systems Analysis, and Information Systems Management.

Of note this year, the NPS Computer Science Dept. continues to offer two cyber security certificates: Cyber Security Fundamentals (MASL P170026) and Cyber Security Defense (MASL P170027). The Joint Information Operations (JIO) Curriculum 698 (P179042) has been retitled Information Strategy and Political Warfare to more accurately reflect the breadth of the program. However, the curriculum and MASL numbers remain the same. This year we will again offer a one quarter resident certificate program in Defense Planning beginning in December (P170006). In recent years, this program has included participation by students from Bulgaria, Cameroon, Ghana, Latvia, Malaysia, Nepal, Serbia, South Africa and Tanzania. Finally, a wide range of technical programs continue to be offered including Information Systems and Technology Curriculum 370 (P179904), Combat Systems Curriculum 533 (P179906), Systems Engineering Curriculum 580 (P174270) and Space Systems Curriculum 364 (P179910).

With over 5900 international graduates from 116 countries since 1954, the Naval Postgraduate School is firmly committed to international education. Over and above the benefits of the education and research programs is the valuable exchange of military perspectives that occurs within NPS's unique academic environment. Many NPS graduates have gone on to achieve flag and general officer rank, and have assumed positions of prominence in their militaries, governments, and industry.

**Quota Procedures:**

NETSAFA will program a country's desired courses under the proper security assistance program. SCOs must then forward candidate's transcripts and Test of English as a Foreign Language (TOEFL) results (if candidate is from a non-English speaking country) directly to the Naval Postgraduate School for evaluation.

TOEFL: International candidates from non-English speaking countries will be required to validate their fluency in English through the TOEFL. A minimum TOEFL score of 83 on the Internet Based Test (iBT) is required for direct entry. Candidates for PhD programs or accelerated programs are required to score a minimum of 100 on the iBT. Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. For candidates applying for entry into the Department of National Security Affairs, (Curricula 681-688, and 693) an iBT score of 90 is required. TOEFL test results are valid for two years from the test date. The only countries exempted from TOEFL testing are those countries that are exempted from all ECL testing requirements as determined by the Defense Security Cooperation Agency (DSCA).

Transcripts and TOEFL scores may be mailed or faxed to the following:

Naval Postgraduate School
International Programs, Room B-047
1 University Circle
Monterey, CA 93943-5027

Telephone Commercial (831) 656-2186 DSN 756-2186

Fax Commercial (831) 656-3064; DSN 756-3064

The School offers a wide range of programs specifically tailored to impart knowledge in scientific, engineering, operational, management, and national security affairs disciplines as shown in the attached documents. Additional details as well as course catalogs can be obtained on the Naval Postgraduate School's website at www.nps.edu. Information specific to NPS International Programs can be found at http://www.nps.edu/services/IGPO/.

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P170002 | 262 - HUMAN SYSTEMS INTEGRATION (HSI) CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | SEP Only | 52 |
| P170006 | 245 - DEFENSE PLANNING- CERTIFICATE<br>**REMARKS:** E-IMET certified. | 1 | DEC | 13 |
| P170008 (C)<br>P471008 (OC) | 265 - MODELING & SIMULATION MANAGEMENT CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | MAR/SEP | 52 |
| P170012 (C)<br>P471012 (OC) | 292 - ELECTRONIC WARFARE ENGINEERING CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | Any QTR | 52 |
| P170013 (C)<br>P471013 (OC) | 293 - JOURNEYMAN EW ENGINEER CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | Any QTR | 52 |
| P170014 (C)<br>P471014 (OC) | 294 - SENIOR EW ENGINEER CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | Any QTR | 52 |
| P170015 (C)<br>P471015 (OC) | 592 - M OF ENG IN ELECTRICAL ENG, MEng (EE), ELECT WARFARE FOCUS DL-MSEE<br>**REMARKS:** Distance Learning | 16 | Any QTR | 208 |
| P170019 | 379 – MASTER OF COST ESTIMATING AND ANALYSIS-MCEA DL | 8 | MAR | 104 |
| P170020 (C)<br>P471020 (OC) | 311 - SYSTEMS ENGINEERING DL-MS<br>**REMARKS:** Distance Learning | 8 | Any QTR<br>chosen by sponsor | 104 |
| P170021 (C)<br>P471021 (OC) | 282 - SYSTEMS ENGINEERING DL-CERTIFICATE<br>**REMARKS:** Distance Learning | 4 | MAR/SEP | 52 |
| P170025 | 581 - SYSTEMS ENGINEERING-PHD (3yr) | 12 | Any QTR | 156 |
| P170026<br>P471026 | 257- CYBER SECURITY FUNDAMENTALS-CERTIFICATE<br>**REMARKS**: DL version is Curriculum 256 | 2 | DEC/JUN | 23 |

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P170027<br>P471027 | 259-CYBER SECURITY DEFENSE-CERTIFICATE<br>**REMARKS:** Normally done in sequence with Curriculum 257. DL version is Curriculum 258 | 2 | MAR/SEP | 23 |
| P170028 | 278 – IDENTITY MANAGEMENT-CERTIFICATE<br>**REMARKS:** Requires a cohort of 10 students | 2 | Any QTR | 26 |
| P170035 | 581 - SYSTEMS ENGINEERING-PHD (4yr) | 16 | Any QTR | 208 |
| P170205 (C)<br>P471205 (OC) | 316 - SPACE SYSTEMS OPERATIONS DL-MS<br>**REMARKS:** Distance Learning | 8 | SEP | 104 |
| P170206 (C)<br>P471206 (OC) | 357 - COMPUTING TECHNOLOGY DL-MS<br>**REMARKS:** Distance Learning | 12 | DEC/JUN | 156 |
| P170207 (C)<br>P471207 (OC) | 363 - SYSTEMS ANALYSIS-MS<br>**REMARKS:** Distance Learning | 8 | MAR/SEP | 104 |
| P170208 (C)<br>P471028 (OC) | 835 - CONTRACT MANAGEMENT DL-MS<br>**REMARKS:** Distance Learning | 8 | Any - depending on cohort availability | 104 |
| P170209 (C)<br>P471209 (OC) | 836 - PROGRAM MANAGEMENT DL-MS<br>**REMARKS:** Distance Learning | 8 | Any - depending on cohort availability | 104 |
| P170212 (C)<br>P471212 (OC) | 805 - EXEC MASTER OF BUSINESS (DEFENSE FOCUS) DL-EMBA<br>**REMARKS:** Distance Learning | 8 | MAR/SEP | 104 |
| P170213 (C)<br>P471213 (OC) | 273 - SPACE SYSTEMS-CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | MAR/SEP | 52 |
| P170214 (C)<br>P471214 (OC) | 274 - ANTI-SUBMARINE WARFARE (ASW)-CERTIFICATE DL<br>**REMARKS:** Distance Learning Program Mgr | 4 | MAR - contact | 52 |
| P170216 (C)<br>P471216 (OC) | 281 - SYSTEMS ANALYSIS-CERTIFICATE DL<br>**REMARKS:** Distance Learning | 4 | MAR/SEP | 52 |

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P171403 | 685 - CIVIL MILITARY RELATIONS-MA<br>**REMARKS:** E-IMET certified. | 5 | Any QTR | 65 |
| P171854 | USMC COMMAND AND STAFF COLLEGE REGIONAL SEMINAR CONUS<br>**REMARKS:** Taken in conjunction with In-Residence NPS Master's Program. (Needs to be a separate training line on ITO.) | 6 | JUN | 78 |
| P173200 | 699 – DEF ANALYSIS: SPECIAL OPNS/IRREGULAR WARFARE-MS | 6 | DEC/JUN | 78 |
| P173201 | 693 - COMBATING TERRORISM POLICY & STRATEGY-MA<br>**REMARKS:** EIMET certified. | 5 | Any QTR | 65 |
| P174002 | 372 – METEOROLOGY-MS | 7 | MAR/SEP | 91 |
| P174011 | 440 – OCEANOGRAPHY-MS | 8 | MAR/SEP | 104 |
| P174012 | 443 – OCEANOGRAPHY-PHD (3-yr) | 12 | MAR/SEP | 156 |
| P174021 | **REMARKS:** 4-yr option | 16 | MAR/SEP | 208 |
| P174015 | 308 - SYSTEMS/ENGINEERING and ANALYSIS (SEA)-MS | 8 | JUN Only | 104 |
| P174022 (C)<br>P471022 (OC) | 721 - SYSTEMS ENGINEERING MANAGEMENT (Product Development)-MS DL<br>**REMARKS:** Two week on-site orientation in Monterey required for OC DL class. | 8 | SEP | 104 |
| P174233 | 460 - ENGINEERING SCIENCE REFRESHER<br>**REMARKS:** Refresher | 1 | Any | 13 |
| P174235 | 373 - METEOROLOGY & PHYSICAL OCEANOGRAPHY-MS | 10 | DEC/JUN | 130 |
| P174270 | 580 - SYSTEMS ENGINEERING-MS | 7 | MAR/SEP | 91 |
| P176002 | 818 - DEFENSE SYSTEMS MANAGEMENT-INTERNATIONAL-MBA<br>**REMARKS:** EIMET certified. | 6 | DEC/JUN | 78 |
| P176007 | 474 - INFORMATION SCIENCES-PHD | 12 | Any QTR | 156 |
| P176008 | **REMARKS:** 4-yr option | 16 | Any QTR | 208 |

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P177712 | 590 - ELECTRONIC SYSTEMS ENGR-MS | 8 | Any QTR | 104 |
| P177713 | 368 - COMPUTER SCIENCE-MS | 7 | MAR/SEP | 78 |
| P177714 | 360 - OPERATIONS ANALYSIS-MS | 7 | MAR/SEP | 91 |
| P177715 | 570 - NAVAL/MECHANICAL ENGR-MS | 8 | DEC/JUN | 104 |
| P178023 | 460 - ENGINEERING SCIENCE REFRESHER<br>**REMARKS:** Refresher | 2 | Any QTR | 26 |
| P179030 | 382 - OPERATIONS ANALYSIS-PHD (3-yr) | 12 | MAR/SEP | 156 |
| P179031 | **REMARKS:** 4-yr option | 16 | MAR | 208 |
| P179031 | 681- REG SECURITY STUDIES-(MIDEAST, SOUTH ASIA, SUB-SAH AFRICA)-MA<br>**REMARKS:** EIMET certified. | 6 | Any QTR | 78 |
| P179032 | 682 - REG SECURITY STUDIES-(FAR EAST, SE ASIA, PACIFIC)-MA<br>**REMARKS:** EIMET certified. | 6 | Any QTR | 78 |
| P179033 | 684 - REG SECURITY STUDIES- (EUROPE, EURASIA)-MA<br>**REMARKS**: EIMET certified. | 6 | Any QTR | 78 |
| P179034 | 683 – REGIONAL SECURITY STUDIES- (WESTERN HEMISPHERE)-MA<br>**REMARKS:** EIMET certified. | 6 | Any QTR | 78 |
| P179035 | 688 – STRATEGIC STUDIES-MA<br>**REMARKS:** EIMET certified. Replaces Curriculum 687, Defense Decision Making and Planning (P179029) | 5 | Any QTR | 65 |
| P179039 | DEFENSE TECHNOLOGY & SYS-MS<br>**REMARKS:** 4 quarters in resident at NPS preceded by 2 quarters at National University of Singapore | 4 | SEP | 52 |
| P179042 | 698 - JOINT INFORMATION OPERATIONS-MS | 6 | DEC/JUN | 78 |
| P179067 | 399 – MODELING, VIRTUAL ENVIRONMENTS AND SIMULATION-MS | 8 | SEP | 104 |
| P179068 | 398 – MODELING, VIRTUAL ENVIRONMENTS AND SIMULATION-PHD (3-yr) | 12 | SEP | 156 |

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P179537 | **REMARKS:** 4-yr option | 16 | SEP | 208 |
| P179105 | 847 - MANPOWER SYSTEMS ANALYSIS-MS<br>**REMARKS:** EIMET certified. | 7 | JUN | 91 |
| P179107 | 362 - HUMAN SYSTEMS INTEGRATION-MS | 8 | SEP | 104 |
| P179108 | 573 - MECHANICAL ENGR-PHD (3-yr) | 12 | SEP | 156 |
| P179538 | **REMARKS:** 4-yr option | 16 | SEP | 208 |
| P179109 | 594 – ELECTRONIC SYSTEMS ENGINEERING –PHD (3-yr) | 12 | Any QTR | 156 |
| P179539 | **REMARKS:** 4-yr option | 16 | Any QTR | 208 |
| P179915 | 380 – APPLIED MATHEMATICS-MS | 8 | JUN | 104 |
| P179127 | 837 - FINANCIAL MANAGEMENT-MBA<br>**REMARKS:** EIMET certified. | 6 | DEC/JUN | 78 |
| P179170 | 536 – ENGINEERING ACOUSTICS-PHD | 12 | Any QTR | 156 |
| P179173 | 384 - COMPUTER SCIENCE-PHD | 12 | MAR/SEP | 156 |
| P179176 | 387 – METEOROLOGY-PHD | 12 | MAR/SEP | 156 |
| P179220 | TECHNOLOGIES FOR INFORMATION OPERATIONS<br>**REMARKS:** Short course, non-degree; non-certificate | 3 WKS | OCT 2017 | 3 |
| P179221 | 870 - INFORMATION SYSTEMS MGT- MBA<br>**REMARKS:** EIMET certified. | 6 | Any QTR | 78 |
| P179222 | 595 – INTERNATIONAL INFORMATION WARFARE-MS | 8 | JUN | 104 |
| P179223 | 365 -JOINT CMD, CONTROL, COMM, COMPUTERS & INTELLIGENCE (C4I)-MS | 7 | JUN | 91 |
| P179265 | NON-DEGREE PROGRAM<br>**REMARKS:** 4 Courses | 1 | Any QTR | 13 |

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P179266 | NON-DEGREE PROGRAM<br>**REMARKS:** 3 Courses | 1 | Any QTR | 13 |
| P179267 | NON-DEGREE PROGRAM<br>**REMARKS:** 2 Courses | 1 | Any QTR | 13 |
| P179268 | NON-DEGREE PROGRAM<br>**REMARKS:** 1 Course | 1 | Any QTR | 13 |
| P179269 | NON-DEGREE PROGRAM<br>**REMARKS:** 8 Courses | 2 | Any QTR | 26 |
| P179270 | NON-DEGREE PROGRAM<br>**REMARKS:** 12 Courses | 3 | Any QTR | 39 |
| P179271 | NON-DEGREE PROGRAM<br>**REMARKS:** 16 Courses | 4 | Any QTR | 52 |
| P179543 | 372-METEOROLOGY-PHD | 12 | Any QTR | 156 |
| P179904 | 370 - INFORMATION SYSTEMS TECH-MS<br>**REMARKS:** EIMET certified. | 8 | MAR/SEP | 104 |
| P179905 | 820 - RESOURCE PLANNING & MANAGEMENT FOR INTERNATIONALS-MBA<br>**REMARKS:** EIMET certified. | 6 | DEC | 78 |
| P179906 | 533 - COMBAT SYSTEMS-MS | 8 | DEC/JUN | 104 |
| P179907 | 819 - SUPPLY CHAIN MANAGEMENT-MBA<br>**REMARKS:** EIMET certified. | 6 | DEC/JUN | 78 |
| P179908 | 815 - ACQUISITION & CONTRACT MGT-MBA<br>**REMARKS:** EIMET certified. | 6 | DEC/JUN | 78 |
| P179909 | 816 - SYSTEMS ACQUISITION MGT-MBA<br>**REMARKS**: EIMET certified. | 7 | DEC/JUN | 91 |

# PROFESSIONAL MILITARY EDUCATION COURSES

| MASL | CURRIC# - COURSE TITLE | # QTRS | REPORT | WKS |
|---|---|---|---|---|
| P179910 | 364 - SPACE SYSTEMS INTERNATIONAL-MS | 6 | SEP | 78 |
| P179911 | 526 - UNDERSEA WARFARE INTERNATIONAL-MS | 8 | MAR/SEP | 104 |
| P179913 | 827 - MATERIAL LOGISTICS SUP MGT-MBA<br>**REMARKS:** EIMET certified. | 6 | DEC/JUN | 78 |
| P179918 | 361 - JOINT OPERATIONAL LOGISTICS-MS | 8 | MAR/SEP | 104 |
| P471107 | 359 – HUMAN SYSTEMS INTEGRATION-MS DL | 8 | SEP | 104 |

# PROFESSIONAL MILITARY EDUCATION COURSES

**DEFENSE RESOURCES MANAGEMENT INSTITUTE** (www.nps.edu/drmi/index.html)

The Defense Resources Management Institute (DRMI) is an educational institution located at the Naval Postgraduate School (NPS) in Monterey, California. Sponsored and supervised by the Secretary of Defense, DRMI has conducted professional education programs in analytical decision-making and resources management since 1965. DRMI faculty design courses for U.S. and international military officers (rank O3 and above) and equivalent civilian officials; participants have come from more than 170 countries.

DRMI's dedicated, graduate-level faculty teach all DRMI programs at NPS in Monterey on a regular basis, and by specific arrangement in other locations both in the United States and overseas. The diverse faculty has extensive experience in defense resources management and in the management of complex defense organizations.

The principal focus of all DRMI programs is developing an understanding and appreciation of the concepts, techniques, and decision-making skills related to defense resources management. The goal of DRMI's programs is to enhance the effective allocation and use of scarce resources in modern defense organizations by developing participants' analytical decision-making skills. DRMI faculty teach key concepts in management, economics, and quantitative reasoning. In addition, the DRMI curriculum uses real-world cases in contexts that include contemporary issues.

The emphasis is not on training in job-specific skills, but rather on the concepts, techniques, and issues that pervade defense resources management decision-making in most mid-management through executive-level positions. Each course provides a multi-disciplinary program, which encourages participants to develop an understanding of concepts, principles, methods, and techniques drawn from: management theory -- examination of the current state of management thought and organized action; economic reasoning -- topics dealing with the basic tenet of scarcity of resources relative to competing needs and wants; and quantitative reasoning -- the basic language and analytic tools that are the foundation of modern decision theory. Participants integrate these ideas into a systematic process for resources allocation decision-making and effective resource utilization, and apply these concepts to illustrative examples of allocating, analyzing and evaluating management systems, programs, and policies; and maximizing benefits within existing resource constraints, or minimizing resource consumption to achieve a predetermined level of benefit.

**Quota procedures:** NETSAFA must first program a country's desired course(s) under the proper Security Assistance program. Resident courses will be confirmed once dates are known. Quotas are normally readily available if proper notice is provided. MET dates will be confirmed after coordination and communication between the school and the SCO. NETSAFA must be kept notified during this process for planning and funding purposes.

# PROFESSIONAL MILITARY EDUCATION COURSES

Course descriptions and prerequisites may be found in Section VII of this catalog. Further information may be found in the DRMI Catalog. Courses include:

| MASL | Title | Days |
|---|---|---|
| P156600 | INTRODUCTION TO BUDGETING CONCEPTS | 12 |
| P162000 | RISK MANAGEMENT | 14 |
| P162002 | DEF RES MGT CRS | 28 |
| P162003 | INTL DEFENSE MGT CRS | 67 |
| P162004 | SR INTERNATIONAL DEF MGT | 28 |
| P162012 | MULTI-CRITERIA DECISION MK | 14 |
| P162014 | PERFORMANCE MANAGEMENT AND BUDGETING | 7 |
| P262000 | MET DRMI (MIDMC) REGIONAL | VAR |
| P319015 | MET TRAINING SURVEY-PDR | VAR |
| P319016 | MET DRMI (MIDMC) | VAR |

# PROFESSIONAL MILITARY EDUCATION COURSES

**CENTER FOR CIVIL-MILITARY RELATIONS** (https://my.nps.edu/web/ccmr/home)

Established at NPS in 1994, the Center for Civil–Military Relations (CCMR) provides graduate level education to foreign civilian and military participants through resident and nonresident courses. Its programs assist foreign nations in resolving civil–military issues resulting from defense transformation, stability and support operations, combating terrorism, and other security challenges.

The Center for Civil-Military Relations (CCMR) is dedicated to strengthening democratic civil-military relationships (CMR) and assisting other nations make integrated defense decisions. Courses are offered both overseas and in-residence.

**Quota procedures:** NETSAFA must first program a country's desired course(s) under the proper Security Assistance program. Resident courses will be confirmed once dates are known. Quotas are normally readily available if proper notice is provided. MET dates will be confirmed after coordination and communication between the school and the SCO. NETSAFA must be kept notified during this process for planning and funding purposes. Course descriptions and prerequisites may be found in Section VII of this catalog.

| Africa Program | | | |
|---|---|---|---|
| Course Title | In-Res | MET | Regional |
| Governance and Security in Sub-Saharan Africa | P170036 | P319080 | |
| Armed Forces and Human Security | | P309493 | P279493 |
| Civil-Military Relations For Junior Military Leaders | | P309137 | |
| Disarmament, Demobilization & Reintegration | | P309138 | |
| Security Forces & The Electoral Process | | P309139 | |
| Local Focus Program On Civil-Military Relations | | P309194 | |
| National Security Planning | | P309195 | |
| **International Defense Transformation Program** | | | |
| Course Title | In-Res | MET | Regional |
| Cybersecurity Policy And Practice | P170370 | P309370 | |
| International Defense Transformation | | P309045 | |
| Comprehensive Approach To Operations | | P309439 | |

| | | | |
|---|---|---|---|
| Cybersecurity Strategy Development | | P309470 | |
| Global Commons Security | | P319031 | |
| **Europe Program** | | | |
| Course Title | In-Res | MET | Regional |
| Defense Planning Certificate | P170006 | | |
| Implementing Strategic Planning: Developing Effective Personnel Management Policy | | P309140 | |
| **Combating Terrorism Program** | | | |
| Course Title | In-Res | MET | Regional |
| Joint And Interagency Planning For Combating Terrorism (JIPC) | P170029 | | |
| Civil-Military Responses To Terrorism (Global) (Consequently Followed By Below P179548) | P179018 | | |
| Developing Sustained Institutional Capacity for Combating Terrorism | P170037 | | |
| Responses To Chemical, Biological, Radiological, And Nuclear Weapons (CBRN) Terrorism | | P309395 | P273004 |
| Civil-Military Responses To Terrorism | | P309069 | P273011 |
| Civil-Military Responses To Terrorism: Consequence Management | | P309041 | |
| Civil-Military Responses To Terrorism: Countering Ideological Support Of Terrorism (CIST) | | P309042 | |
| Civil-Military Responses To Terrorism: Intelligence & Combating Terrorism | | P309043 | |
| International Homeland Defense | | P309158 | |
| Civil-Military Responses To Terrorism: Media Dynamics And Public Affairs | | P309226 | |
| Civil-Military Responses To Terrorism: Border Security | | P309227 | |
| Civil-Military Responses To Terrorism: Cyber Terrorism And Information Warfare | | P309228 | |
| Civil-Military Leadership In Combating Terrorism | | P309363 | |
| Transnational Organized Crime And Terrorism | | P309368 | |
| Counter Terrorism Assessment | | P319027 | |
| Ethics And Combating Terrorism | | P319037 | |

## Maritime Security Program

| Course Title | In-Res | MET | Regional |
|---|---|---|---|
| Civil-Military Approaches to Maritime Security | P179548 | | |
| Civil-Military Response To Terrorism: Maritime Security | | P309044 | |

## Prevention, Relief & Recovery Program

### Conflict Management

| Course Title | In-Res | MET | Regional |
|---|---|---|---|
| Managing Ethnic Conflict and Religious Violence | P170030 | P309462 | |
| Managing the Challenges of Modern Integrated Missions | P170016 | | |
| Managing the Security Dimensions of Refugees and Internally Displaced Persons | P173019 | P319066 | |
| Working in the Same Space: Multi-Agency Collaboration | P170023 | | |

### Governance & Conflict Recovery

| Course Title | In-Res | MET | Regional |
|---|---|---|---|
| An Expansive Approach to Demobilization, Disarmament, and Reintegration | P170022 | | |
| Approaches for the Reintegration of Ex-Combatants and Violent Extremists | P171063 | P309463 | |
| Exploring the Demobilization, Disarmament, and Reintegration; and Security Sector Reform Nexus | P170003 | | |
| Issues in Defense Governance | P170024 | P309464 | P279464 |

### Disaster Management

| Course Title | In-Res | MET | Regional |
|---|---|---|---|
| Civil-Military Coordination in Disaster Relief | P170475 | P309475 | P279475 |
| Disaster Management | P170472 | P309472 | P279464 |
| Humanitarian Logistics for Humanitarian Assistance/Disaster Relief (HA/DR) | P170476 | P309476 | P279476 |
| Information and Communication Technologies in Disaster Relief | P170398 | P309398 | |
| Preparing for and Responding to Natural Disasters in Megacities | P170477 | P309477 | P279477 |

## Global Peace Operations Initiative (GPOI)

| Course Title | In-Res | MET | Regional |
|---|---|---|---|
| GPOI United Nations Civil-Military Coordination Officers Course | P179023 | P309068 | P279068 |
| GPOI United Nations Staff Officers Course | P179045 | P309389 | P279389 |
| GPOI United Nations Logistics Officers Course | P179047 | P309379 | P279379 |
| GPOI United Nations Peacekeeping Operations Instructors Course | P179048 | P309392 | P279392 |
| GPOI United Nations Peacekeeping Operations Contingent Commanders Course | P179085 | P309485 | P279085 |
| GPOI United Nations Senior Mission Leaders Course | P179275 | P309211 | P279211 |
| Train The Trainer Course | P179603 | P309103 | P273013 |
| United Nations Military Observer Training | | P309466 | P279046 |
| GPOI Program Design & Development Visit | | P309102 | |
| Peacekeeping Operations Course | | P309157 | |

## Civil-Military Relations Program

| Course Title | In-Res | MET | Regional |
|---|---|---|---|
| Executive Program In Defense Decision Making | P170001 | | |
| Civil-Military Relations CONUS Planning | P171400 | | |
| Civil-Military Relations | | P309070 | P273001 |
| Civil-Military Relations Pre-Survey | | P309073 | |
| Enhancing Civil-Military Relations (CMR) Through Security Sector Reform (SSR) | | P309121 | |
| Media And The Military | | P309148 | |
| Building Linkages Between The Legislature And The Military | | P309150 | |
| Domestic Support Operations (Military Support To Civilian Authorities) | | P309151 | |
| Civilian Control Of The Armed Forces In A Democracy: Methods, Techniques & Applications | | P309152 | |
| Establishing Democratic Civil-Military Relations And The Rule Of The Law | | P309156 | |
| Women’s Integration In The Armed Forces | | P309465 | |
| Political Extremism in Domestic & International Context: Sources & Remedies | | P319053 | |

# PROFESSIONAL MILITARY EDUCATION COURSES

| Intelligence and Democracy Program | | | |
|---|---|---|---|
| Course Title | In-Res | MET | Regional |
| Policy Makers And Their Potential Contribution To Intelligence Reform In A Democracy | P170009 | P309287 | |
| Intelligence And Democracy | P171404 | P309149 | |
| International Intelligence Fusion Centers | | P309452 | |
| **Latin America Program** | | | |
| Course Title | In-Res | MET | Regional |
| LATAM Strategic Leadership | | P309116 | |
| LATAM National Security Strategy Development Practicum | | P309117 | |

| International Defense Acquisition Resource Management (IDARM) | | | |
|---|---|---|---|
| Course Title | In-Res | MET | Regional |
| Principles Of Defense Acquisition Management | P159200 | | |
| Principles Of Defense Procurement And Contracting | P159202 | | |
| International Defense Acquisition Negotiations | P179069 | P309134 | |
| International Defense Acquisition Resource Management | | | P279300 |
| Project Management (Managing Complex Defense Projects) | | P309104 | |
| Phase I – Site Survey | | P309130 | |
| Phase II – Curriculum Development (In Monterey, Ca) | | P309132 | |
| Phase III – Principles Of Defense Acquisition Management | | P309131 | |
| Contracting For Pre-Deployment And Deployment Operations | | P309136 | |
| Strategies For Building And Sustaining Accountability In Defense Resource Management Systems | | P309210 | |
| Logistics And Life Cycle Management | | P309348 | |
| Ethics And Integrity In Defense Acquisition Decision Making | | P319036 | |

## INTERNATIONAL DEFENSE ACQUISITION RESOURCE MANAGEMENT (www.nps.edu/IDARM/)

The International Defense Acquisition Resources Management (IDARM) program is intended to strengthen democratic relationships and international security cooperation through acquisition education, research and professional service.

**Education:** To develop problem solving and decision-making skills through analysis and critical review.
**Research:** To conduct studies that support policy-making and improve acquisition processes.
**Professional Service:** To provide leadership and professional expertise in support of international partners.

The primary focus of the program is to strengthen the managerial competencies of the military and civilian leaders responsible for a nation's defense acquisition processes. For many countries, acquisition processes are evolving and the question of developing a structured approach to defense acquisition resource management has not been fully addressed. In other nations, improving the existing defense acquisition process is important to achieving international security goals. Additionally, the understanding of other nations' resource management processes can lead to increased opportunity for cooperative development programs and the associated reduction in risk and costs. The benefits can also be extended to the relationship of defense acquisition management to multi-national defense agreements, such as NATO. The International Defense Acquisition Resource Management (IDARM) program was established in order to assist host nations in addressing these issues. Our goal is to provide the framework within which countries can develop and sustain efficient and effective defense acquisition

Program offerings are tailored to conform to the governmental structure and national acquisition processes in use the in the host nation. Specific consideration is always given to how defense acquisition processes must support the national security strategy.

IDARM offers the following resident courses:

**Principles of Defense Acquisition Management (MASL P159200):** This two week course provides a theoretical and practical examination of defense acquisition and logistics in a variety of international settings.

**Principles of Defense Procurement and Contracting (MASL P159202):** This two week course provides an understanding of the fundamental concepts and challenges associated with national and global defense contracting.

# PROFESSIONAL MILITARY EDUCATION COURSES

**International Defense Acquisition Negotiations (MASL P179069):** This eight day course focuses on planning and preparing for negotiations with an emphasis on negotiation of complex issues in a multi-cultural environment.

**The back to back scheduling of the resident courses affords attendees the option of programming for one, two or all three of the resident courses. Note: Resident courses can be offered in country using MASL P309131.**
IDARM offers the following mobile courses:

**Project Management (Managing Complex Defense Projects (MASL P309104):** This course examines the complexities, tools and techniques for developing and managing complexity in armaments projects.

**Contracting for Pre-Deployment and Deployment Operations (MASL P309136):** This course examines the fundamental concepts and challenges associated with contingency contracting.

**Strategies for Building and Sustaining Accountability in Defense Resource Management Systems (MASL P309210):** This course examines characteristics and conditions for successful defense acquisition resource management and decision making and offers some suggestions for improving accountability and transparency in existing national level systems.

**Logistics and Life Cycle Management (MASL P309348):** This course examines the components and characteristics of effective logistics systems.

**Ethics and Integrity in Defense Acquisition Decision Making (MASL P319036):** This course examines the organizational framework for ethical defense resource management and decision making through the procurement process.

**Resident courses can be offered in country using MASL P309131.**

Course descriptions and prerequisites may be found in Section VII of this catalog. Further information may be found in the IDARM program guide.

# PROFESSIONAL MILITARY EDUCATION COURSES

ALL IDARM COURSES ARE E-IMET CERTIFIED.

**Quota procedures:** NETSAFA must first program a country's desired course(s) under the proper Security Assistance program. Resident courses will be confirmed once dates are known. Quotas are normally readily available if proper notice is provided. MET dates will be confirmed after coordination and communication between the school and the SCO. NETSAFA must be kept notified during this process for planning and funding purposes.

| MASL | Title | Dates | Days |
|---|---|---|---|
| P159200 | PRINCIPLES OF DEFENSE ACQUISITION MANAGEMENT | 17 - 28 Oct 2016<br>6 - 17 March 2017<br>16 - 27 Oct 2017 | 12 |
| P159202 | PRINCIPLES OF DEFENSE PROCUREMENT & CONTRACTING | 31 Oct - 11 Nov 2016<br>20 - 31 Mar 2017<br>30 Oct - 10 Nov 2017 | 12 |
| P179069 | INTERNATIONAL DEFENSE ACQUISITION NEGOTIATIONS | 14 - 23 Nov 2016<br>13 - 22 Nov 2017 | 12 |
| P309104 | MET IDARM PROJECT MANAGEMENT<br>(MANAGING COMPLEX DEFENSE PROJECTS) | | 8 |
| P309130 | MET ACQUISITION PHASE I – SITE SURVEY | | VAR |
| P309131 | MET ACQUISITION PHASE III – COURSE DELIVERY | | VAR |
| P309132 | MET ACQUISITION PHASE II – CURRICULUM DEVELOPMENT | | VAR |
| P309136 | MET IDARM CONTRACTING FOR PRE-DEPLOYMENT<br>AND DEPLOYMENT OPERATIONS | | 1 W |
| P309210 | MET IDARM STRATEGIES FOR BUILDING AND SUSTAINING<br>ACCOUNTABILITY IN DEFENSE RESOURCE MANAGEMENT SYSTEMS | | 1 W |

| | | | |
|---|---|---|---|
| P309348 | MET IDARM LOGISTICS AND LIFE CYCLE MANAGEMENT | | 1 W |
| P319036 | MET IDARM ETHICS AND INTEGRITY IN DEFENSE ACQUISITION DECISION MAKING | | 8 |

**DEFENSE INSTITUTE OF INTERNATIONAL LEGAL STUDIES** (www.diils.org)

The Defense Institute of International Legal Studies (DIILS) is the lead U.S. defense security cooperation resource for professional legal engagement with international military service members and related civilians globally. The goal of DIILS engagement is to strengthen partner nation legal capacity through activities that promote equitable and accountable defense and military justice sectors, civilian control of the military, enhanced compliance with human rights standards and international humanitarian law, democracy, and democratic rule of law.

DIILS is a jointly-staffed institute comprised of Army, Navy, Air Force, Marine, and Coast Guard Judge Advocates, as well as experienced civilian attorneys and staff. DIILS' Primary audience includes international military personnel and related civilians. The majority of DIILS participants are not lawyers, although DIILS offers some resident courses for lawyers, e.g., the Military Law Development Program (MLDP I and II) and the International Law of Military Operations (ILOMO) course.

DIILS accomplishes its mission in three settings: resident programs in Newport, Rhode Island (U.S.), tailored mobile programs delivered worldwide, and programs that bring foreign participants to U.S. locations, such as Washington, DC, Chicago, Boston, and New York City.

DIILS remains committed to providing unrivaled subject matter expertise and curriculum in a manner that respects cultural sensitivities and encourages diversity of opinion. Over 200 adjunct instructors bring their recent and relevant real-world military and civilian expertise to DIILS programs. They are seasoned, uniformed instructors and leading civilian experts from the executive, legislative and judicial branches of the U.S. government, academia, international partners, and, in some cases, the private sector.

**DIILS hosts the following resident courses for international audiences:**

**Military Justice (MJ) (MASL P176003):** The 3 week course provides a comprehensive overview of the U.S. military justice system and comparative analysis of other military justice systems. Topics include substantive and procedural due process, evidentiary practice, trial advocacy, non-judicial alternatives to courts martial, appeals, the role of judges and transparency. Participants will be

able to determine best practices in military justice based upon comparison of the U.S. and other military justice systems. Participants visit U.S. military prosecutors, the U.S. Court of Appeals for the Armed Forces in Washington, D.C. and discuss military law with practitioners.

**Law of Armed Conflict and Human Rights (LCHR) (MASL P176019):** This 3 week course prepares commanders and staff officers to conduct operations, including multinational operations, in accordance with the law of armed conflict and human rights law. Participants analyze the application of international humanitarian law (law of armed conflict) and human rights law to a variety of domestic and international operations, (e.g., NATO, UN peacekeeping, humanitarian assistance/disaster relief, border security, internal security, and counter-terrorism).

**Military Law Development Program 1 (MLDP-I) (MASL P176026):** This 10 week course offers military legal advisors (judges, prosecutors, or investigators) a comprehensive military justice and operational law curriculum, which includes attending the DIILS "Law of Armed Conflict and Human Rights" (LCHR) and "Legal Aspects of Combating Corruption" (LCC) courses. The operational law component covers international law, human rights law, law of armed conflict, and rules of engagement. The military justice component features advanced legal concepts in constitutional law, procedural due process, and use of legal codes through the study of international law and the comparative study of military law of other nations. The anti-corruption component covers deterrence, detection and punishment of corruption offenses.

**International Law of Military Operations (ILOMO) (MASL P176027):** This 3 week course prepares military legal advisors to advise commanders on the legal aspects of operations and play a more constructive role in operational planning. ILOMO is designed mainly for military legal advisors, but is open to and may be useful for commanders and staff officers who seek increased knowledge of legal issues attendant to military operations. ILOMO participants visit New York City and meet with experts from the United Nations. ILOMO participants learn alongside U.S. Judge Advocates preparing for operational focused assignments.

**Legal Aspects of Combating Terrorism (LCT) (MASL P176028):** The goal of this 3 week course is to explore effective means for combating terrorism within the rule of law, with emphasis on interagency cooperation. LCT is designed for military officers and civilian officials who are, or plan to be, involved with combating terrorism through law enforcement or military means. LCT covers

the international law that applies to combating terrorism in three contexts: internal disturbances (domestic crime); internal armed conflict (a common tactic of insurgents); and international armed conflict.

**Military Law Development Program 2 (MLDP-II) (MASL P176029):** This 10 week course is for legal advisors whose legal training qualifies them to practice law in their nation. It offers a comprehensive curriculum of military justice and advanced study of international and operational law that includes attending the LCHR and ILOMO courses. Participants learn advanced legal concepts of constitutional law, procedural due process, and use of legal codes through the study of international law and the comparative study of military law of various nations.

**Legal Aspects Combating Corruption: (LCC) (MASL P176040):** This 3 week course focuses on building integrity and transparency in the defense sector. It contrasts U.S. and international lessons learned and best practices as a means to improve national mechanisms to prevent, detect, investigate and prosecute corrupt practices in accordance with international legal standards.

**Legal Aspects of Defense Support of Civil Authorities (LADSCA) (MASL P176042):** The three-week LADSCA course promotes Defense Support of Civil Authorities (DSCA) that is consistent with democratic rule of law, protection of human rights and reasonable use of force. It covers various aspects of military support to and cooperation with civil authorities (i.e., law enforcement, disaster relief, border security, counter-trafficking and combating armed gangs) and other domestic operations. LADSCA also covers legal, operational, and policy aspects of rules of engagement and rules for the use of force. )

| Course | Max. Size | Dates | Length | ECL |
|---|---|---|---|---|
| Military Justice (MJ) (MASL P176003) | 20 | 6 May – 26 May 2016 | 3 wks | 80 |
| Law of Armed Conflict and Human Rights (LCHR) (P176019) | 20 | 18 Apr - 05 May 2016<br>10 - 27 Oct 2016 | 3 wks | 80 |

| | | | | |
|---|---|---|---|---|
| Military Law Development Program (MLDP I) (includes LCHR and LCC) (P176026) | 15 | 18 Apr – 23 Jun 2016<br>10 Oct - 15 Dec 2016 | 10 wks | 85 |
| International Law of Military Operations Course (I-LOMO) (P176027) | 25 | 06 - 23 Jun 2016 | 3 wks | 80 |
| Legal Aspects of Combating Terrorism (LCT) (P176028) | 35 | 21 Mar - 07 Apr 2016 | 3 wks | 80 |
| Military Law Development Program (MLDP II) (Includes LCHR and ILOMO) P176029 | 15 | 18 Apr-23 Jun 2016 | 10 wks | 85 |
| Legal Aspects of Combating Corruption (LCC) (P176040) | 20 | 18 Nov – 8 Dec 2016 | 3 wks | 80 |
| Legal Aspects of Military Support of Civil Authorities (LADSCA) (P176042) | 35 | 25 Jul -11 Aug 2016 | 3 wks | 80 |

**DIILS Mobile Programs**

DIILS mobile programs are venues for exploring innovative legal solutions or reviewing existing legal standards and procedures, while serving as a catalyst for positive change in national rule-of-law dynamics. Seminars build upon past experience with each nation, and DIILS activities help to enhance long-term partnerships between the Office of Security Cooperation (OSC) and the host nation legal community. Requests for DIILS engagement usually originate with the Security Cooperation Officer (SCO) in coordination with the appropriate Geographic Combatant Command.

DIILS Seminars can be customized to address legal issues faced by a country, region, or the international community. Topics are determined according to U.S. objectives and host country needs. Examples of topics include the legal aspects of combating corruption, terrorism, and cybercrimes, peacekeeping operations, operational law, rules of engagement, rules for the use of force, military justice, and trial advocacy.

**Funding for Mobile Programs**

DIILS instruction modules may be combined to create a tailored one-week seminar presented in-country by subject matter experts. Variables to consider include the legal challenges identified by the country team, requested or available subject matter experts, and the statutory authority of the funding source.

In addition to Defense-Wide Operation and Maintenance (O&M) funds, which support long-term Defense Institution-Building (DIB) efforts in priority countries, DIILS funding sources mainly include EIMET, CTFP, WIF, 1206, 1207, PKO, FMS, and Combatant Commanders' Initiative Funds. DIILS Mobile Programs are funded on a reimbursable basis. Reimbursable costs, in accordance with Federal Acquisition Regulations, include program expenses and overhead.

DIILS is the provider of choice for congressionally-mandated human rights and humanitarian law seminars for units receiving U.S. assistance under the Global Train and Equip (1206) program and the Global Security Contingency Fund (1207). These two-day seminars are particularly useful for units preparing to deploy to coalition stability operations.

**Quota procedures:** NETSAFA must first program a country's desired course(s) under the proper Security Cooperation program. Quotas are normally readily available if proper notice is provided. MET dates will be confirmed after coordination and communication between the school and the SCO. NETSAFA must be kept notified during this process for planning and funding purposes.

**DIILS Mobile Program Options**

**The Mobile Seminar (MASL P309061):** With adequate advance notice, DIILS can create a program to address unique legal issues.

**In-country Assessment (MASL P309050):** Typically, DIILS conducts an initial visit to a country prior to designing a program. Our goal is to obtain a thorough understanding of the challenges and trends that impact requirements for rule of law engagement.

**U.S. Planning Visits (MASL P176023):** The purpose of a CONUS planning visit is to confirm appropriate curriculum for planned in-country seminars, acquaint the delegation with relevant U.S. organizations, and design the best possible program for the host nation. During a planning visit, a delegation from the host country travels to locations in the United States selected by DIILS and the country team to conduct in-depth planning for proposed DIILS programs.

**Observerships (MASL P183080):** An observership is a program designed for an individual or a small group of partner nation personnel to observe a U.S. process or work on a special project with DIILS.

**Regional Seminars (MASL P309062):** DIILS regional seminars address significant legal issues best solved through international cooperation.

**CONUS Seminars (MASL P176022):** There may be circumstances in which a DIILS seminar is conducted in the Continental U.S. (CONUS). A CONUS Seminar is identical to a standard DIILS seminar or CT seminar except that the seminar location will be determined by the nature of the mission.

For further information, go to WWW.DIILS.ORG.

# OFFICER EDUCATION

## AVIATION OFFICER TRAINING

The U.S. Navy offers some of the world's most advanced and comprehensive training in the field of aviation in support of aircraft and weapon systems purchase.

The Aviation Officer Candidate's initial training consists of the six-week Aviation Preflight Indoctrination (API) course at Naval Aviation Schools Command, Pensacola, FL. After completion of Aviation Preflight Indoctrination, pilots go on to NAS Whiting Field, FL while Naval Flight Officers (NFOs) continue training at NAS Pensacola for primary flight training.

Upon completion of primary flight training, pilots and NFOs enter the intermediate phase of flight training, which builds upon the prerequisites of basic flight and navigation training. Advanced naval flight training is tailored for mission specifics and upon completion, both pilots and NFOs are awarded their wings of gold and report to their respective Fleet Replacement Squadrons (FRS) for training in their specific aircraft.

Aviation officer training can take up to two years from start of API to completion of advanced naval flight training.

All aviation students must pass a rigorous medical examination performed by USN designated medical officers at the Naval Operational Medical Institute and meet demanding physical standards which include push-ups, sit-ups, a 1.5 mile run conducted on a cross-country trail, and a swim screen.

Maximum Allowable Weight:
Maximum allowable weight in Naval Aviation is 235 pounds. It is recommended that students be well under 235 pounds before beginning training. Weights above 204 pounds or below 136 pounds may preclude students from flying in ejection seat aircraft.

Anthropometric Standards:
Aviation candidates who are shorter than 5'5" or taller than 6'2" may have problems fitting in some or all of the training and fleet aircraft. ALL students will be evaluated for anthropometric compatibility in training and fleet aircraft.

Detailed descriptions of Pilot and Flight training and related publications and instructions can be found on the Chief of Naval Air Training home page at https://www.cnatra.navy.mil/pubs-instructions.asp

# OFFICER EDUCATION

In-country OPI testing is required for students from non-exempt countries enrolled in courses requiring **85 ECL and 2/2 OPI**.

**The following courses are designed to help prepare the International Military Student successfully complete aviation flight officer training:**

**Oral Proficiency Skills for Aviation (OPSAV) Course (MASL D177026)**
This course is designed to help pilots achieve the necessary oral proficiency level for success in both their SET and follow on training. The course offers extensive practice in pronunciation and global speaking proficiency within a variety of contexts. Listening comprehension is also practiced with a wide range of formats. Particular emphasis is given to the comprehension of electronic voice communication over two-way radios and telephones. This training prepares students for the unique challenges of radio communication which is required of them in SET and at FOT. While the course focuses primarily on routine day-to-day proficiency needs, a variety of aviation-related themes are woven into each lesson. Recorded samples obtained from Americans are used as the basis for classroom language instruction. Additionally, the OPSAV course provides relevant cultural orientation by examining typical communication styles and training methods used in the US. This MASL includes 16 weeks of OPSAV and nine weeks of SET for a maximum of 25 weeks. However, course length is variable because students can be moved out of OPSAV and into SET as soon as they achieve their required OPI scores. *Students must meet the ECL requirement for follow on training prior to entrance into the OPSAV course.*

**Basic Aviation Preparatory Training (MASL P119311)**
The Basic Aviation Preparatory Training curriculum supports preparatory instruction prior to entry into the U.S. Navy undergraduate pilot and naval flight officer training pipelines. This curriculum consists of six primary areas of instruction: Aerodynamics, Aircraft Engines, Navigation, Flight Rules and Regulations, Meteorology, and Physical Fitness/Survival Swim/CPR/First Aid. Further, this training supports students with ongoing preparatory instruction throughout the U.S. Naval Aviation pilot and naval flight officer training pipelines.

# OFFICER EDUCATION

Some common undergraduate flight training pipelines are listed below, however specific courses and pipeline flows should be coordinated with a country's respective NETSAFA Country Program manager due to unique country considerations, type operational aircraft the student is being trained for, and alternate flight training locations and their respective MASL's. Note: MASL P119311 "Basic Aviation Preparatory Training" described above is optional and can be integrated within the following pipelines:

Undergraduate Helicopter Pilot Pipeline

| | |
|---|---|
| MASL P119026 | OJT Aviation OPS (Initial Screening); NAS Pensacola, FL |
| MASL P119301 | Aviation Pre-Flight Indoctrination (API); Entry Ground School and Survival Training; NAS Pensacola, FL |
| MASL P112005 | Primary Fixed Wing, NAS Whiting Field, Milton, FL |
| MASL P113301 | Advanced Helicopter, NAS Whiting Field, Milton, FL |

Undergraduate Maritime Multi-Engine Fixed Wing Pilot Pipeline

| | |
|---|---|
| MASL P119026 | OJT Aviation OPS (Initial Screening); NAS Pensacola, FL |
| MASL P119301 | Aviation Pre-Flight Indoctrination (API); Entry Ground School and Survival Training; NAS Pensacola, FL |
| MASL P112005 | Primary Fixed Wing, NAS Whiting Field, Milton, FL |
| MASL P112304 | Advanced Maritime Multi-Engine Fixed Wing (USN version), NAS Corpus Christi, TX |

Undergraduate Jet Pilot Pipeline

| | |
|---|---|
| MASL P119026 | OJT Aviation OPS (Initial Screening); NAS Pensacola, FL |
| MASL P119301 | Aviation Pre-Flight Indoctrination (API); Entry Ground School and Survival Training; NAS Pensacola, FL |
| MASL P112005 | Primary Fixed Wing, NAS Whiting Field, Milton, FL |
| MASL P128003 | Centrifuge Training, Lackland AFB, San Antonio, TX (as required) |
| MASL P111022 | Advanced Strike Jet, NAS Meridian, MS or |
| MASL P111026 | Advanced Strike Jet, NAS Kingsville, TX |

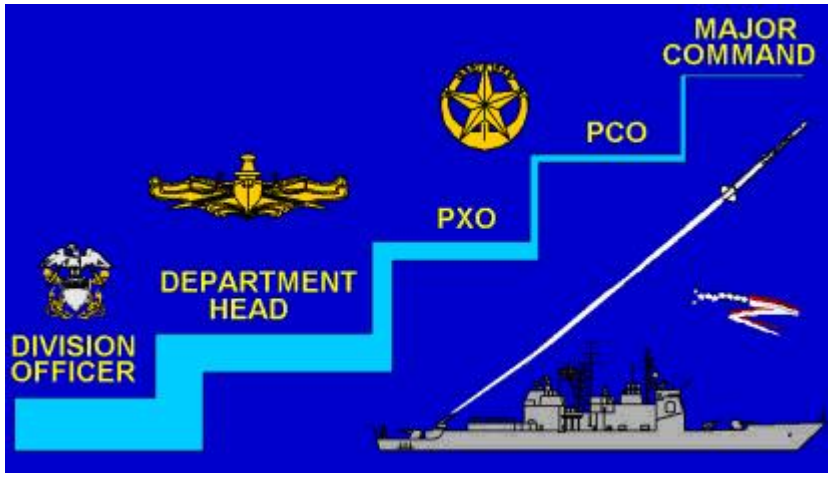
Undergraduate Weapons Systems Officer (WSO)/Strike Fighter Naval Flight Officer Pipeline

| | |
|---|---|
| MASL P119026 | OJT Aviation OPS (Initial Screening); Pensacola, FL |
| MASL P119301 | Aviation Pre-Flight Indoctrination (API); Entry Ground School and Survival Training; NAS Pensacola, FL |
| MASL P114047 | Primary 1 and 2 Undergraduate Military Flight Officer (UMFO), NAS Pensacola, FL |
| MASL P114048 | Intermediate UMFO, NAS Pensacola, FL |
| MASL P114048 | Advanced Strike Fighter, NAS Pensacola, FL |

# OFFICER EDUCATION

## SURFACE WARFARE OFFICERS

Surface Warfare Officers are Navy officers whose training and primary duties focus on the operation of Navy ships at sea and the management of various shipboard systems. Their ultimate goal is to command a Navy surface ship. Training for international surface warfare officers is available for the various stages of the Surface Warfare Officer's career:




### DIVISION OFFICER TRAINING

**SWOS INTL (MASL P179136)**
The International Surface Warfare Officer course prepares junior commissioned officers (O1-O3) to execute with confidence, assigned junior officer watch station duties aboard surface warfare craft and ships by providing fleet oriented training. This training highlights shipboard organization, basic systems interdependence and interaction, including a foundation in surface combat systems, operational concepts, watch standing, basic seamanship skills, damage control, and engineering.

# OFFICER EDUCATION

**INTL CIC Watch Officer (MASL P121022)**
This course provides officers from allied navies with training in basic Combat Information Center operations during routine peacetime steaming. The target audience is junior officers (O-1 to O-2) WITH LIMITED OR NO AT SEA EXPERIENCE. This training is included as part of the SWOS INTL course.

**EW Officer INTL (MASL P139336)**
This course is designed to familiarize officers and selected senior enlisted personnel with the basic concepts of Electronic Warfare (EW); including the divisions of Electronic Warfare, principles of radar systems, current anti-ship capable missile threat, emission control, Electronic Warfare publications, training and the role of Electronic Warfare in anti-ship missile defense.

**INTL ASW Junior Officer Course (MASL P123653)**
Provides training to junior international officers of non-NATO nations assigned to ASW ships in ASW operations, maintenance and air control. It provides students with the basic skills and knowledge in Anti-Submarine Warfare Surface and Sub-Surface Operations, ASW Equipment, ASW Weapons and Weapons Tactics, Oceanography, Shipboard Administration and Training in sufficient detail to perform duties at the Anti-Submarine Weapons Officer level.

**INTL Damage Control Assistant (MASL P129149)**
This course provides billet specialty training to Officers enroute to Damage Control assignments in surface ships. Course graduates are qualified to fill the Damage Control Assistant billet in surface ships covering the following areas in-depth: 1. Repair Division Administration and Responsibilities 2. Damage Control Administration and Training 3. Damage Control Equipment and Systems 4. Damage Control Petty Officer Program requirements, equipment and maintenance procedures 5. Stability and Buoyancy 6. Battle Damage Evaluation and containment techniques 7. Chemical, Biological and Radiological Defense management 8. Gas Free Engineering.

# OFFICER EDUCATION

## DIVISION OFFICER ENGINEERING TRAINING

The following MASLs provide advanced engineering billet specialty training to junior officers on the way to engineering billets. Through classroom instruction and "hands-on" training these students will be prepared to direct Engineering Department personnel to perform main propulsion, auxiliary and damage control functions during all conditions of readiness. Funding is required for the last week of training which is completed on a ship in Norfolk, VA or San Diego, CA.

| | | |
|---|---|---|
| **MASL P145486** | **SWO ADV Gas Turbine Engineering** | **CG's and DDG's** |
| **MASL P145488** | **SWO ADV Diesel Engineering** | **PC, MCM, LSD-41, LPD-17** |

## DEPARTMENT HEAD TRAINING

**Surface Warfare Officer Department Head Operations INTL (MASL P179135)**
To prepare middle grade International Surface Warfare Officers (O-2 to O-4) with previous sea experience to execute Operations and Combat Systems department head duties on board surface units of frigate or larger vessels of the international navies through classroom and available training device instruction

**International Joint Maritime Tactical Development (MASL P122571)**
Provide Mid-grade warfare specialty International Officers (O-3 to O-5) with the tactical development skills required to support a Joint Force Commander or Naval Component Commander in a multi-threat environment. The course stresses joint maritime planning, and war gaming. In addition, weapon systems information will be taught in order to integrate air, surface, and submarine platforms into an effective fighting force.

**SWO Prospective Engineering Officer for Gas Turbine Platform (MASL P145004)**
To provide advanced engineering systems and management training to officer's enroute to Chief Engineer Officer billets onboard DDGs.. Training consists of three weeks of "Common Core", which includes an in-depth explanation of engineering theory and engineering management programs followed by five weeks of hull-specific DDG Specialty Training that covers Main Propulsion, Auxiliaries, and Electrical systems and includes the use of computer based simulators and console trainers in the execution of engineering evolutions and casualty control procedures. The ninth and final week is Hot Plant and Material Self Assessment training accomplished onboard a hull of the applicable ship class. Funding is required for the last week of training which is completed in Norfolk, VA or San Diego, CA.

# OFFICER EDUCATION

**Department Head Leadership Course (MASL P171040)**
A one week course designed to provide prospective department heads with the requisite naval leadership skills necessary to function as effective leaders as a department head.

## EXPEDITIONARY WARFARE TRAINING

Expeditionary Warfare Officer training is conducted for Surface Warfare Officers at Expeditionary Warfare Training Group (Atlantic or Pacific), Expeditionary Training Command, or Navy Small Craft Instruction and Technical Training School. For a detailed listing of available training contact the applicable NETSAFA Country Program Manager.

## SUBMARINE OFFICER TRAINING

**International Diesel Submarine Training (MASL P122560)**
Provides instruction in diesel submarine tactics, training, and qualification disciplines/techniques, including practical training on fire control plots. Diesel submarine tactical classroom instruction is supplemented with sonar plot laboratories where students man/evaluate with various fire control party plots.

Several submarine individual and team training courses are available at the Naval Submarine Training Center Pacific in Pearl Harbor. For a detailed listing of available training contact the applicable NETSAFA Country Program Manager

## INTELLIGENCE OFFICER TRAINING

**International Maritime Intelligence Course (MASL P172003)**
This course provides enhanced maritime operational intelligence training to international junior offices (O-3 or equivalent and below) who are designated special duty intelligence, collateral duty intelligence or general line officers with an interest in maritime intelligence assignments in order to promote coalition interoperability. The curriculum stresses skills and knowledge required of intelligence officers in the following areas: academics of intelligence analysis and research; intelligence sources and methods, naval intelligence principles and operations; counter-drug; counter-terrorism; asymmetric warfare; maritime force protection; and operational intelligence fusion. Students will demonstrate learned skills and knowledge in multi-day practical exercises.

## CIVIL ENGINEER OFFICER CORPS

Civil Engineer Corps (CEC) officers are responsible for executing and managing the planning, design, construction, operation, and maintenance of the Navy's shore facilities.

The following training is available for international officers:

**CEC Officer Basic Qualification (MASL P174052)**
To orient the new CEC officer to the role of the CEC in the Navy and to prepare them to be immediately effective upon assuming the duties of their first CEC billet. During four weeks of the course, subject matter common to all BASIC students is covered to provide knowledge of fundamental principles intrinsic to any CEC billet. Topics included are: engineering management, CEC officer orientation, financial management, organization and responsibilities, construction technology & scheduling, professional development military/civilian personnel considerations, and leadership/human relations.

**Naval Construction Force Operations Basic Course (MASL P174005)**
This course covers a broad range of Naval Construction Force (NCF) operational and administrative topics at the middle management level. This course includes a comprehensive written exam and a practical exercise that tests the student's ability to monitor, delegate and follow-up with assigned tasks. The Naval Construction Force Operations Basic course is designed to prepare first-tour Officers and Chief Petty Officers with basic knowledge and skills needed to perform leadership and management duties upon reporting to a Naval Construction Force unit. Classroom and laboratory instruction will be provided in construction and contingency planning and operations, Naval Construction Force, and force programs, under normal conditions.

## CHAPLAIN CORPS

The Naval Chaplaincy School and Center has been established to professionally equip Chaplains and Religious Program Specialist for religious ministry in the sea services. This critical mission is accomplished through four levels of training and education: basic, intermediate, advanced, and ongoing professional development. The Naval Chaplaincy School and Center develops Professional Naval Chaplaincy teams by:

Training Chaplains and Religious Program Specialists in knowledge, skills, and abilities for installation and operational religious ministry Educating Chaplains and Religious Program Specialists as Naval staff officers and enlisted leaders Enculturating Chaplains and Religious Program Specialists in a sea service ethos and orientation to the sea Empowering Chaplains and Religious Program Specialists for career long excellence in religious ministry to the Fleet Inspiring Chaplains and Religious Program Specialists with a professional curiosity for continued spiritual, vocational and professional growth Guiding Chaplains and Religious Program Specialists to understand and embrace principles of a healthy Chaplain Corps and RP community.

The following courses are available to international students:

**PNC - Advanced Leadership Course (MASL P179206)**
The Professional Naval Chaplaincy – Advanced Leadership Course prepares Navy Chaplains (O-5 and O-5 selects) to serve in senior leadership and staff positions. This course develops the knowledge, skills, and abilities for Professional Naval Chaplaincy and institutional ministry at the advanced level. Chaplains will be equipped to conduct planning, advisement, coordination and supervision of religious ministry in their commander's areas of responsibility. Topics will include: leadership, policy, manpower, budgets, and training and certification of subordinate RMTs, in accordance with standards established by Operational Navy and requirements set by the Naval Service.

**PNC - Intermediate Leadership Course (MASL P179205)**
The Professional Naval Chaplaincy – Intermediate Leadership Course prepares Navy Chaplains (O-4 and O-4 selects) to serve in intermediate levels of leadership, management, and supervision. This course develops the knowledge, skills, and abilities for Professional Naval Chaplaincy and institutional ministry at the intermediate level. Chaplains will be equipped to support the commander's mission by demonstrating naval leadership competencies, supervise the delivery of the Chaplain Corps' core capabilities, and executing professional staff functions.

**MTT PNC - Professional Development Training Course (MASL P319081)**
The Professional Naval Chaplaincy – Professional Development Training Course provides education and training for the Chaplain Corps in professional subjects which will enhance Religious Ministry and Pastoral Care to Sea Services personnel, their dependents and other authorized persons. The Chaplain Corps' Professional Development Training Course addresses a single subject – as selected by the requirement sponsor, the Chief of Chaplains (N097) – rotating annually between ethics, pastoral care, and religion & culture.

## NAVY SUPPLY CORPS SCHOOL

Navy Supply Corps School in Newport, Rhode Island is the Navy's premier logistics training command, and offers some of the U.S. Navy's finest International Training. International Officers have been taught at the Supply Corps School since 1954 and over 2,400 international officers have added our various logistics and transportation courses to their resumes. It is the goal of the training staff of the Navy Supply Corps School to make each student's visit to the United States an educational and enlightening experience. While some 70 to 90 international students each year attend courses at the Navy Supply Corps School, about 30 officers each year attend a 9 week long International Officers Supply Course (IOSCO) Pipeline.

**IOSCO Pipeline**: The International Officers Supply Course (IOSCO) Pipeline convenes twice annually and consists of the following courses: P152011 and P152003. This course can be exported as an MTT with special request for pricing and feasibility. The course is for International Officers only, grade O-1 to O-4, waivers available for civilian and senior enlisted students.

**International Officer Supply Course (IOSCO) (MASL P152011) (6 Weeks)** The course is designed to familiarize students with the organizational structure of the United States Government, United States Navy, Navy Supply Systems Command (NAVSUP), Defense Logistics Agency (DLA), and the relationship to the Foreign Military Sales (FMS) process. The program focuses on the US Navy's Logistics Supply Chain, defined as identifying, locating, ordering and tracking assets. Assists International Customers develop a process-oriented working knowledge of Department of Defense web-based logistics systems. Included in the course is material identification, catalog systems, FMS requisitioning procedures, all aspects of the Security Cooperation Information Portal (SCIP) and other computer and web-based tools for customer support. Course will provide attendees an expert knowledge of: FEDLOG, WEBFLIS, Asset Visibility of DLA stock on hand, Item Managers notes, requisition status. Course also provides a detailed overview of Acquisition Logistics, Allowance Models, Integrated Logistics Support (ILS) and US Navy Weapons Systems Support (WSS) operations, with a focus on weapons systems support to include study of math models for outfitting and determining allowances quantities. Discusses ship transfer and shipyard procedures, and specific allowance determination for the FMS customer. Course content is flexible, allows for the unique needs of students, and is updated frequently to ensure current changes in systems are

included in every class. Instruction is modeled after training provided to U.S. DoD civilian and military personnel, working in the supply and maintenance communities.

**International Officer Supply Course (IOSCO) - Travel (MASL P152003) (3 Weeks)**
This travel course immediately follows the above IOSCO Resident course and includes visits to operating sites for additional seminars, briefings, and tours of logistics facilities to reinforce theory and practices learned in IOSCO Resident Coursework. Briefs and tours conducted by Logistics Center (FLC-Norfolk), Naval Aviation Depot, and various flight line and waterfront supply organizations in the Norfolk Area. The course also includes several days in Washington, D.C. for various Field Studies Programs. A key highlight of the travel portion of the class is –a visit to US Navy Weapons Systems Support (WSS) Foreign Directorate in Philadelphia for several days of expert briefings from key subject matter experts. Allows students to meet with subject matter experts in Navy FMS cases, Country Program Managers, Security Assistance Field Representatives, and receive briefs on current business practices at NAVSUP WSS concerning FMS support. Students return to Newport for graduation and departure.

**Other Navy Supply Corps School Courses open to International Students:**

**International Logistics Executives Advanced Development (ILEAD) (MASL P171053) (7 Weeks),**
***formerly Senior International Officer Supply Management Course***
Senior International Officers, grade O5 and above, waivers available. Course is taught once per year. This seven-week course is designed to give Senior International Officers a better understanding of current trends in logistics and supply chain management from the military perspective. The course includes the Advanced Management Program (AMP) as the first portion of the course. AMP is a two-week long executive leadership course designed for CDR's and GS-13/14's that deals with transformation, supply chain management, lean six-sigma, and many other management skills used both by industry and DoD. It is a post-MBA level course, taught by professors from top-level business schools. The students will be embedded with equivalent U.S. personnel during this period, and work on group projects and make a group presentation for a panel of Flag Officers on the last day of AMP. Following the two weeks of AMP, site visits will be conducted to various DoD commands in the Northeast U.S. (Mechanicsburg, Washington, Norfolk and Philadelphia) to give the students an on-site view of the various logistics initiatives and projects currently being worked on by Department of Defense and U.S. Navy. The students will also participate in various events that will allow for a better understanding of American society and culture. All course travel is included in the MASL cost. Class requires an 80 ECL score.

**Joint Aviation Supply Maintenance and Material Management (JASMMM) (MASL P152088) (2 Weeks)**

JASMMM was developed to enhance efficient interface between maintenance and supply personnel. Cooperation and teamwork are highlighted. Attendance is currently limited to Military E-6 and above; Civilian GS-6 and above, and International Students of equivalent rank. JASMMM is the Navy's sole source of aviation logistics training for supply officers and aviation maintenance officers and enlisted personnel assigned to aviation commands. During the ten days, twenty-five (25) Maintenance and Supply topics are discussed as well as case studies, practical labs and practical exercises. Guest speakers from NAVICP, DLA, and NAVSAFECEN have been incorporated into the seminar.

**Advanced Management Program (AMP) (MASL P162015) (2 Weeks)**
AMP is a visionary management course that provides tools to high-potential managers that are necessary in today's challenging workplace. This two-week residential program challenges participants beyond their current capabilities. Strategic thinking is the focus in this dynamic learning environment. This program is designed to equip senior leaders with the tools necessary to formulate and implement strategy, develop and manage networks of people, and incorporate experiences into a broadened policy-level perspective. AMP incorporates workshops and traditional learning to develop key competencies needed for higher levels of strategic leadership. Topics include Enterprise Resource Planning (ERP), e Business, Supply Chain Management, Information System Solutions, Cost Management, Activity Based Costing (ABC), Activity Based Management (ABM), and Metrics Management. AMP is modeled after Executive Training Programs at civilian universities, but at a fraction of the cost. Class requires an 80 ECL score, and students are expected to participate in group discussions and team presentations. Carries post-graduate college credit.

**Introduction to Expeditionary Logistics (MASL P152030) (2 Weeks)**
This two-week course provides senior enlisted personnel and officers an overview of the Joint Planning Process, the Joint and Naval Logistics chain of command and specific issues and concerns related to operating in a deployed environment. The "issues and concerns" segment includes discussions on personnel management, expeditionary logistics, expeditionary contracting, petroleum management, supply support and host nation support. The course is taught as a seminar with technical experts flown in to conduct individual topic segments. Although this class is targeted toward Naval Reservists, active duty personnel are encouraged to attend, as well as personnel from other military branches.

**Supply Officer Department Head Course (SODHC) (MASL P152089) (4 Weeks)**
This four-week course prepares Ensigns through Lieutenant Commanders to assume the duties of the Supply Officer on a ship or submarine. This course includes training in the areas of Supply Management, Food Service, Retail Operations, and Disbursing Management. In addition, training is presented for the following specific technical functions: Small Afloat Purchasing, user certification for the government commercial purchase card program, Small Ship Aviation Logistics, Configuration Management, Hazardous Materials Management including certification as a Hazardous Materials Coordinator Afloat, Total Asset Visibility, and

submarine-specific supply functions. Automated Information Systems training is also provided in Streamlined Automated Logistics Transmission Systems (SALTS), Logistics Toolbox, Ported SNAP II/III, Micro-SNAP, R-Supply, FSM, ROM, HICS, HMIS, FEDLOG and Micro-Q. SODHC focuses on current fleet trends and technical developments while it also stresses developing effective and efficient managerial skills to meet the challenging "at sea" environment.

**Department Head Leadership Course (MASL P171054) (5 Days)**
This five-day course is designed to facilitate and indoctrinate all officers that will be relieving afloat, in a Department Head capacity, the skill sets necessary to be effective principle assistants and liaisons in their Chain of Command for their Commanding Officer. The curriculum encompasses ten modules that will drastically shift the mindsets of the student from being a functional and effective Division Officer to the proactive and global thinking structure of a high-output Department Head. Through role-plays, group-based discussions, teach-backs, and brainstorming, the student will be afforded the opportunities to discuss with the class the trials and tribulations that they have experienced in their careers. Specific leadership principles that are addressed are competition and collaboration amongst peers and superiors, management of expectations, non-reactive leadership, command climate influences, project and systems management, and growing/developing junior Division Officers for the future.

**Transportation of Hazardous Materials (MASL P153010) (2 Weeks)**
Provides formal training prerequisite for command approved qualification to certify hazardous materials for shipment via all modes of transportation. The course includes a comprehensive overview of the transportation of hazardous materials by motor, rail and water and an intensive review of the requirements for movement of hazardous materials by commercial/military air. Included are the roles and missions of the Department of Transportation (DOT), Defense Transportation System (DTS), and commercial carriers, national, state and local regulations storage (incident to transportation) handling, packaging, marking, labeling and placarding of hazardous materials and various hazardous materials warning systems. Students will be trained in the use of the applicable Codes of Federal Regulations (CFR), Air Force Interservice Manual 24-204 (NAVSUP P-505/MCO 4030.19F), International Civil Aviation Organization (ICAO) / International Air Transport Association (IATA) Dangerous Goods Regulation (DGR), and the International Maritime Organization (IMO) Dangerous Goods Code (IMDGC) requirements for documentation, forms, labels, marking, placarding and inspections. Qualification credit for the course is dependent upon successful completion of each of three module examinations covering all regulatory publication. Each examination must be passed to continue course enrollment. Qualification attained is effective for twenty-four months, after which additional certification or re-certification is required. This course is extremely technical and requires at least average reading ability. Personnel eligible: uniformed personnel of the armed forces, DOD civil service personnel, and (With appropriate CNET quota approval) eligible DOD civilian contractors. This course is designed only for those personnel who must, "certify hazardous materials for shipment". Students are required to furnish a silent, four function, hand held calculator.

# OFFICER EDUCATION

**Supply Officers Basic Qualification Course (BQC) (MASL P152010) (20 Weeks)**
**(Prerequisite for MASL P162017, not offered as a stand-alone course)**
The Basic Qualification Course (BQC) is an in-depth study of the Supply System, encompassing the following major areas of an afloat supply department: supply management (manual system), food service, retail operations, disbursing management, leadership and management and personnel administration. Students will, through the use of practical exercises, practice sets, and exams, demonstrate the ability to complete and post all forms and files in each functional area. Additionally, students will demonstrate the ability to audit and correct problem areas posed in exercise situations. Also included in the course is a brief introduction to afloat automated data processing and quantitative management techniques. The objective of the 20-week BQC is to prepare newly commissioned Supply Corps officers and other officers who may be ordered for this instruction in their professional duties. This course provides detailed, job-related technical instruction while encouraging the formation and use of desirable attitudes and characteristics. While at NSCS, students will attend the week-long DIVOLC P-7C-0100 course in addition to the BQC course,

**DIVISION OFFICER LEADERSHIP COURSE (MASL P162017) (5 Days)**
**(Must be programmed with MASL P152010, not offered as a stand-alone course)**
This five-day course is designed to facilitate and indoctrinate all junior officers that will be relieving afloat, in a Division Officer capacity, the skill sets necessary to be effective first-time leaders in an operational environment. The curriculum is scenario driven taking the student from their very first day of reporting onboard all the way through their first nine months. Through interactive videos, role-plays, and group-based discussions, the student will be given exposure and have an opportunity to discuss leadership dilemmas that they might encounter in their immediate future. Specific leadership principles that are addressed are competition and collaboration in an enlisted work center, building working relationships with the Chain of Command, time management, and functional administration.

**MTT – NAVSUP Pub P-526 (MASL P304013)**
The purpose of this course is to provide supply personnel with information on the NAVSUP Publication 526 – FMS Customer Supply System Guide. This MTT can be designed to meet a one or two week training requirement, and is recommended for supply personnel who requisition material under Navy Cases.

# ENLISTED SKILL TRAINING

**Aviation Specialties**

AB Aviation Boatswain's Mate
AC Air Traffic Controller
AD Aviation Machinist's Mate
AE Aviation Electronics Mate
AG Aerographer's Mate
AM Aviation Structural Mechanic
AO Aviation Ordnanceman
AS Aviation Support Equipment Tech
AT Aviation Electronics Technician
AW Naval Aircrewman
AZ Aviation Maintenance Admin
PR Aircrew Survival Equipmentman

**Anti-Terrorism and Naval Security Forces**

MA Master-at-Arms

**Cryptology**

CT Cryptologic Technician

**EOD / Diving**

EOD Explosive Ordnance Disposal
ND Navy Diver

**Information Technology**

IT Information Systems Technician

**Naval Engineering & Hull Ratings**

DC Damage Controlman
EM Electrician's Mate
EN Engineman
GS Gas Turbine System Technician
HT Hull Maintenance Technician
MM Machinist's Mate
MR Machinery Repairman

**SeaBees and Facilities Engineering**

BU Builder
CE Construction Electrician
CM Construction Mechanic
EA Engineering Aide
EO Equipment Operator
SW Steelworker
UT Utilitiesman

**Seals**

SB Special Warfare Boat Operator
SO Special Warfare Operator

**Service Support**

BM Boatswain's Mate
CS Culinary Specialist
HM Hospital Corpsman
IS Intelligence Specialist
IT Information Systems Tech (Surface & Submarine)
LN Legalman
LS Logistics Specialist
MC Mass Communications Specialist
MU Musician
NC Navy Counselor
PS Personnel Specialist
RP Religious Programs Specialist
SH Ship's Serviceman
YN Yeoman

**Surface Combat Systems**

ET Electronics Technician
FC Fire Controlman
FT Fire Control Technician
GM Gunner's Mate
IC Interior Communication Electrician
MN Mineman
OS Operations Specialist
QM Quartermaster
STG Sonar Technician (Surface)

**Submarine**

MT Missile Technician
STS Sonar Technician (Submarine)

# ENLISTED SKILL TRAINING

Training for U.S. Sailors mainly occurs at one of several learning centers that provide training in their respective functional area. A chart of the learning centers and corresponding enlisted ratings is shown below:

| | | |
|---|---|---|
| Center for Naval Aviation Technical Training<br><br>AB, AC, AD, AE, AG, AM/E, AO, AS, AT, AW, AZ, PR | Center for Anti-Terrorism and Naval Security Forces<br><br>MA | Center for Cryptology<br><br>CTA, CII, CTM, CTN, CTT, CTR |
| Center for EOD / Diving<br><br>EOD, Divers | Center for Information Technology<br><br>IT | Center for Naval Engineering<br><br>DC, EM, EN, GS/M/E, HT, MM, MR |
| Center for SeaBees and Facilities Engineering<br>BU, CE, CM, EA, EO, SW, UT | Center for Service Support<br><br>BM, CS, LN, LS, MC, MU, NC, PS, QM, RP, SH, YN | Center for Surface Combat Systems<br>ET, FC, FT, GM, IC, MN, OS, QM, STG |
| Center for Submarine Learning<br><br>ET, FT, MM, MT, STS | Center for Naval Intelligence<br><br>IS | Center for Naval Leadership<br><br>CMC, all ratings |

There are over 11,000 courses available at these learning centers. This catalog contains approximately 2,500 courses that have been offered to international students. If a country desires enlisted training that cannot be found in this catalog, the NETSAFA Country Program Manager can search the Catalog of Navy Training (CANTRAC) to determine if that training is available, and then establish a MASL to allow the training to be offered to international students.

## Aviation Ratings

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Aviation Boatswain's Mate** | AB<br>ABE<br>ABF<br>ABH | <br>(Launching & Recovery)<br>(Fuels)<br>(Aircraft Handling) |
| Aviation Boatswain's Mates are responsible for aircraft catapults, arresting gear and barricades. They operate fuel and lube oil transfer systems, as well as direct aircraft on the flight deck and in hangar bays before launch and after recovery. They use tow tractors to position planes and operate support equipment used to start aircraft. | | |
| **Air-Traffic Controller** | AC | |
| Air-Traffic Controllers assist with the speedy flow of air traffic by directing and controlling aircraft. They operate field lighting systems and communicate with aircraft. They furnish pilots with information regarding traffic, navigation and weather conditions, as well as operate and adjust ground-controlled approach (GCA) systems and interpret targets on radar screens and plot aircraft positions. | | |
| **Aviation Machinist's Mate** | AD | |
| Aviation Machinist's Mates are usually assigned to billets concerned with the maintenance of turbo-jet aircraft engines and associated equipment. They are responsible for the maintenance and replacement of aircraft engines and accessories, as well as performing the duties of flight engineers. | | |
| **Aviation Electrician's Mate** | AE | |
| Aviation Electrician's Mates are responsible for aircraft electrical power generating and converting systems. They maintain lighting, control, and indicating systems and can install as well as maintain flight and engine instrument systems. | | |
| **Aerographer's Mate** | AG | |
| Aerographer's Mates are the U.S. Navy's weather forecasters. They are trained in meteorology and the use of aerological instruments that monitor air pressure, temperature, humidity, wind speed, and direction. They prepare weather maps and forecasts and can analyze atmospheric conditions to determine the best flight levels for aircraft. An AG can measure wind and air density to aid the accuracy of anti-aircraft firing, shore bombardment and delivery of weapons by aircraft. | | |
| **Aviation Structural Mechanic** | AM<br>AME<br>AM | <br>(Safety Equipment)<br>(Hydraulics and Structures) |
| Aviation Structural Mechanics are responsible for the maintenance of many aircraft parts such as wings, fuselage, tail, control surfaces, landing gear, and hydraulic systems. AME's maintain and repair oxygen, cockpit and cabin pressurization, and ejection seat systems. | | |

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Aviation Ordnanceman** | AO | |
| Aviation Ordnancemen operate and handle aviation ordnance equipment. They are responsible for the maintenance of guns, bombs, torpedoes, rockets, and missiles. Their duties include the stowing, issuing, and loading of munitions and small arms. | | |
| **Aviation Support Equipment Technician** | AS | |
| Aviation Support Equipment Technicians perform intermediate maintenance on aviation accessory equipment at naval air stations and aboard aircraft carriers. They maintain gasoline and diesel engines, gas turbine compressor units and electrical systems. | | |
| **Aviation Electronics Technician** | AT | |
| Aviation Electronics Technicians are responsible for the maintenance of all aircraft radio, radar, and other rapid communications devices. They maintain all navigation equipment. | | |
| **Naval Aircrewman** | AW<br>(AWO)<br>(AWF)<br>(AWV) (AWS) (AWR) | (AWO - Operator) (AWF - Mechanical) (AWV - Avionics)<br>(Helicopter - AWS) (AWR – Tactical Helicopter) |
| Aviation Warfare Systems Operators operate airborne radar and electronic equipment used in detecting, locating, and tracking submarines. They provide information for aircraft and surface navigation and act as helicopter-rescue crewmen, and function as part of the flight crew on long-range and intermediate-range aircraft. Beginning in 2009, other enlisted Aviation ratings that perform flight engineer or loadmaster duties in Navy aircraft will convert to the AW rating. | | |
| **Aviation Maintenance Administrationman** | AZ | |
| Aviation Maintenance Administrationmen perform clerical, administrative, and managerial duties necessary to keep aircraft maintenance activities running smoothly. They schedule and coordinate the maintenance workload, including inspections and modifications to aircraft and equipment. | | |
| **Aircrew Survival Equipmentman** | PR | |
| Aircrew Survival Equipmentmen are responsible for the packing and care of parachutes. They maintain flight clothing, rubber life rafts, life jackets, oxygen-breathing apparatus, protective clothing, and air-sea rescue equipment. | | |

## Construction Ratings

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Builder** | BU | |
| Navy builders are like civilian construction workers. They are skilled carpenters, plasterers, roofers, cement finishers, asphalt workers, masons, and painters. They build and repair all types of structures including: piers, bridges, towers, schools, offices, houses, and other buildings. | | |
| **Construction Electrician** | CE | |
| Construction Electricians are responsible for the power production and electrical work required to build and operate airfields, roads, barracks, and hospitals. The work of a CE is equivalent to civilian construction electricians, telephone and electrical repairmen, lineman, and others. | | |
| **Construction Mechanic** | CM | |
| Construction Mechanics maintain many types of construction machinery including; buses, dump trucks, bulldozers, rollers, cranes, backhoes, and pile drivers. They work on gasoline and diesel engines and transmissions. They also repair electrical, hydraulic, pneumatic and steering systems. | | |
| **Engineering Aide** | EA | |
| Engineering Aides provide construction engineers with information needed to develop final construction plans. They conduct surveys for roads, airfields, buildings, etc. They perform soil tests, prepare topographic and hydrographic maps. They also survey for sewers, water lines, drainage systems and underwater excavations. | | |
| **Equipment Operator** | EO | |
| Equipment Operators work with heavy machinery such as bulldozers, power shovels, pile drivers, etc. They use this machinery to dig ditches, excavate for building foundations, break up old concrete or asphalt paving and pour new paving. They grade and remove debris from construction sites, raise girders, and move and set in place other pieces of equipment or materials needed for the job. | | |
| **Steelworker** | SW | |
| Steelworkers rig and operate all special equipment used to move or hoist structural steel, structural shapes and similar material. They erect and dismantle steel bridges, piers, buildings, storage tanks, etc. They work with steel shapes, plates and built-up sections used in the construction of overseas facilities. They are skilled in arc welding, MIG welding, TIG welding, and gas welding. | | |
| **Utilitiesman** | UT | |
| Utilitiesmen supervise and perform tasks involved in the installation and maintenance of plumbing, steam, compressed air and fuel storage and distribution systems. They maintain air conditioning and refrigeration equipment, as well as sewage collecting and disposal facilities. | | |

## Administration, Deck, Medical, Technical, and Weapons Ratings

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Boatswain's Mate** | BM | |
| Boatswain's Mates train and supervise personnel in all activities relating to marlinspike, deck, and boat seamanship, and oversee the maintenance of the ship's external structure and deck equipment. They act as petty officers in charge of small craft and may perform duties as master-at-arms, serve in or take charge of gun crews, and damage control parties.<br><br>Boatswain's Mates are also responsible for the "deck side" watch. In port three of the crew are on deck watch 24/7 (in hazardous areas such as war zones there are more than three, depending on ship's size). They are the Officer of the Deck, Boatswain's Mate of the watch, and Messenger of the Watch (usually a Seaman or Seaman Apprentice). They are stationed very close to the gangway and monitor all the comings and goings of persons to and from the ship. At sea the Boatswain's Mate of the watch is within ear shot of the conning officer (on the bridge). The boatswain's Mate of the watch supervises the rest of the enlisted watch standers on deck. They include helmsman, messenger of the watch, and all the look outs. In port or at sea the Boatswain's Mate of the watch is charged with the responsibility of making all announcements to the crew; everything from chow call to general quarters (battle stations). | | |
| **Culinary Specialist** | CS | |
| Culinary Specialists prepare menus and order the quantities and types of food items. They operate galley and dining facilities, manage large facilities, keep records for food supplies and financial budgets, and can even serve as flight attendant aircrewmen. They can also serve as personal food service specialist, household/estate manager or chef for an admiral, the First Family, President of the United States at Camp David and the White House, to the Vice President at Number One Observatory Circle or for a commanding officer aboard ship or at shore bases. Ashore, Culinary Specialists often manage and maintain clubs, TAD hotels and Permanent Party naval barracks. | | |
| **Cryptologic Technician** | CT<br>CTI<br>CTM<br>CTN<br>CTR<br>CTT | <br>(Interpretive)<br>(Maintenance)<br>(Networks)<br>(Collection)<br>(Technical) |
| Cryptologic Technicians control the flow of messages and information and also conduct Electronic Warfare. Their work depends on their special branch: CTAs or Administration Cryptologic Technicians (As of 01 OCT 07 CTA merged with the YN rating) perform administrative and clerical duties that control access to classified material. CTIs or Interpretive Cryptologic Technicians handle radiotelephone communications and foreign language translation. CTMs or Maintenance Cryptologic Technicians maintain electronic and electromechanical equipment. CTNs or Networking Cryptologic Technicians handle computer communication. CTRs or Collection Cryptologic Technicians handle all Morse code communications and operate radio direction-finding equipment. Finally, CTTs or Technical Cryptologic Technicians deal with Electronic Warfare. CTTs are the first line of defense against inbound threats and Anti-Ship missiles. They also collect, analyze, and provide electronic intelligence support to commands throughout the world. | | |

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Explosive Ordnance Disposal** | EOD | |
| Explosive Ordnance Disposal Technicians locate, identify, render safe and dispose of all forms of ordnance (conventional, nuclear, chemical, biological, military, and improvised) both U.S. and foreign made. Parachute or Helicopter insertion and deep-sea diving capabilities are sometimes necessary to perform this mission. In addition to working closely with other military services, EOD technicians occasionally assist civilian law enforcement agencies. | | |
| **Electronics Technician** | ET | (ETN - Nuclear)<br>(ETR - Submarine Communications)<br>(ETV - Submarine Navigation) |
| Electronics Technicians are responsible for electronic equipment used to send and receive messages, detect enemy planes and ships, and determine target distances. They maintain, repair, and calibrate all electronic equipment used for communications, detection tracking, identification, and navigation. Specially qualified Electronics Technicians are employed onboard nuclear-powered ships to operate the nuclear reactor and maintain its control subsystems. | | |
| **Fire Controlman** | FC | |
| Fire Controlmen maintain the control mechanism used in weapons systems on combat ships. Complex electronic, electrical and hydraulic equipment is required to ensure the accuracy of Navy guided-missile and surface gunfire-control systems. They are responsible for the operation, routine care and repair of this equipment, which includes radars, computers, weapons direction equipment, target designation systems, gyroscopes and rangefinders. | | |
| **Fire Control Technician** | FT | |
| Fire Control Technicians maintain the electronic equipment used in submarine weapons systems. They are responsible for the operation and maintenance of the complex electronic, electrical and mechanical equipment required to ensure the accuracy of Navy guided-missile systems and underwater weapons. They are responsible for ship safety by recognizing and analyzing data from several critical systems including sonar, radar, pericsope, radio, and torpedo inputs. Fire Control Technicians are also responsible for the submarine's internal LAN system. | | |
| **Gunner's Mate** | GM | |
| Gunner's Mates operate and maintain all gunnery equipment, guided-missile launching systems, rocket launchers, guns, turrets, and associated equipment. They repair electrical, electronic, hydraulic and mechanical systems, and make detailed casualty analysis. They test ammunition, missiles and their ordnance components. GMs train and supervise personnel in the handling and stowage of ammunition, missiles, and assigned ordnance equipment. | | |
| **Hospital Corpsman** | HM | |
| Hospital Corpsmen are medical professionals who provide health care to service people and their families. They serve as pharmacy technicians, medical technicians, nurse's aides, physician's or dentist's assistants, battlefield medics, and more. All work falls into several categories: first aid and minor surgery, patient transportation, patient care, prescriptions and laboratory work, food service inspections, and clerical duties. | | |
| **Intelligence Specialist** | IS | |
| Intelligence Specialists are involved in collecting and interpreting intelligence especially secret information about enemies or potential enemies. | | |

| General rating | Abbreviation | Service rating |
|---|---|---|
| They analyze photographs and prepare charts, maps, and reports that describe in detail the strategic situation all over the world. | | |
| **Information Systems Technician**<br>**Information Systems Technician Submarines** | IT<br>ITS | |
| Information Systems Technicians design, install, operate, and maintain state-of-the-art informations systems. This technology includes local and wide area networks, mainframe, mini and microcomputer systems and associated peripheral devices. They also write programs to handle the collection, manipulation and distribution of data for a wide variety of applications and requirements. They perform the functions of a computer system analyst, operate telecommunications systems including automated networks and the full spectrum of data links and circuits. | | |
| **Legalman** | LN | |
| Legalmen are trained paralegals who assist professionals in the field of law. They work in Navy legal offices, performing administrative and clerical tasks necessary to process claims, conduct court and administrative hearings. They maintain records, documents and legal reference libraries. Legalmen may give advice on tax returns, voter registration procedures, immigration and customs regulations, regulations governing Social Security and veterans' benefits. They perform many duties related to courts-martial and nonjudicial punishment hearings. | | |
| **Logistics Specialist** | LS | |
| Logistics Specialists manage inventories and issuance of repair parts/general supplies and specialized supplies (e.g., personal flight gear for naval aircrews or specialized combat equipment for Navy SEALs or Naval Military Construction Battalion "Seabees"), as well as distribute mail for naval ships, submarines, aviation squadrons, and shore-based activities. They procure, receive store and issue material and repair selected components. They utilize financial accounting and database systems to perform inventory and financial management functions. Additionally, they sort and distribute all official and personal mail, manage money order and stamp inventories, and maintain financial and inventory reports. | | |
| **Master-at-Arms** | MA | |
| Masters-at-Arms uphold law and order aboard ships, shore stations, control access to naval installations, and deploy overseas with expeditionary forces and squadrons performing Antiterrorism/Force Protection (AT/FP) duties. The basic duty of an MA is to enforce rules and regulations, maintain good order and discipline, and protect life and property. Some other duties include conducting criminal investigations, personal protective services, take part in correctional and rehabilitative programs, Military Working Dog (MWD) handlers, small arms instruction, lethal and non-lethal weapons training, and organize and train sailors assigned to Shore Patrol police duty. Their equivalents in the civilian world are detectives, security guards, and policemen. | | |
| **Mass Communications Specialist** | MC | |
| Mass Communications Specialists are public affairs and visual information experts. They present the U.S. Navy story to audiences in the Navy and to the rest of the world through a variety of media. Mass Communications Specialists write and produce print and broadcast journalism, news, and feature stories for military and civilian newspapers, magazines, television and radio broadcast stations. They record still and video photography of military operations, exercises, and other Navy events. | | |

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Mineman** | MN | |
| Minemen test, maintain, and repair mines and their components. They are responsible for assembling, testing, and delivering mines to the planting agent. They maintain minehandling and minelaying equipment. At sea, Minemen primarily man Avenger Class mine countermeasures ships as well the new Independence Class littoral combat ships as a part of the MCM module. Their duties at sea include but are not limited to: operating mine hunting sonar, operating remote controlled submersibles in prosecuting mine-like contacts, rigging and deploying minesweeping gear as well as standing normal underway deck and Combat Information Center watches. | | |
| **Missile Technician** | MT | |
| Missile Technicians operate and maintain the UGM-133 Trident II D5 missile Strategic Weapon System (SWS) carried aboard ballistic missile submarines and at Strategic Weapons facilities. Missile Technicians operate and maintain electronic, mechanical, hydraulic and pneumatic Strategic Weapon subsytems, test and operate the MK98 fire-control system and MK 6 guidance system, perform classified targeting operations, and provide physical security to nuclear weapon systems. | | |
| **Musician** | MU | |
| Musicians play in official Navy bands and special groups such as jazz bands, dance bands and small ensembles. They give concerts and provide music for military ceremonies, religious services, parades, receptions and dances. Official unit bands usually do not include stringed instruments, but each musician must be able to play at least one brass, woodwind or percussion instrument. Sailors are selected for this rating through auditions. | | |
| **Navy Counselor** | NC(C)<br>NC(R) | (Career)<br>(Recruiter) |
| Navy Counselors offer vocational guidance to Navy personnel — individually and in groups — aboard ships and at shore facilities. They assess the interests, aptitudes, abilities and personalities of individuals and assist them in reaching their full potential. They are responsible directly to the command triumvirate (CO, XO, CMC) and report on many items such as retention, attrition, advancement, testing and various other facets of the career development program. Additionally, it is their keen eye and attention to detail that ensure personnel throughout the command are updated on current Navy policies in regards to career management, off duty education and administrative procedures, among various other responsibilities. | | |
| **Operations Specialist** | OS | |
| Operations Specialists operate radar, navigation and communications equipment in the shipboard combat information centers (CICs) or bridges. They detect and track ships, planes, and missiles. They operate and maintain identification friend or foe (IFF) systems, electronic countermeasures (ECM) equipment and radio-telephones. They control and assist aircraft. | | |
| **Personnel Specialist** | PS | |
| Personnel Specialists provide enlisted personnel with information and counseling about Navy jobs, opportunities for general education and training, and promotion requirements. They assist enlisted members' families with legal aid or reassignments in hardship situations. Personnel Specialists keep records up to date, prepare reports, type letters and maintain files. | | |
| **Quartermaster** | QM | |
| Quartermasters assist the navigator and officer of the deck (OOD), steer the ship, take radar bearings and ranges, make depth soundings and celestial observations, plot courses and command small craft. | | |

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Religious Programs Specialist** | RP | |
| Religious Programs Specialists assist Navy chaplains with administrative and budgetary tasks. They serve as custodians of chapel funds, keep religious documents and stay in contact with religious and community agencies. They prepare devotional and religious educational materials, set up volunteer programs, operate shipboard libraries, supervise chaplains' offices and perform administrative, clerical and secretarial duties. They train personnel in religious programs and publicize religious activities. | | |
| **Special Warfare Boat Operator** | SB | |
| Special Warfare Boat Operators drive fast speedboats down narrow, winding rivers, or the open ocean while performing high speed, medium range, or all weather insertion/extraction of Special Operations Forces. They participate in maritime interdiction operations, tactical swimmer operations, intelligence collection, operation deception, and Coastal patrol. | | |
| **Ship's Serviceman** | SH | |
| Ship's Servicemen manage barber shops, tailor shops, ships' uniform stores, laundries, dry cleaning plants and cobbler shops. They serve as clerks in exchanges, gas stations, warehouses, and commissary stores. Some ship's servicemen function as Navy club managers. | | |
| **Special Warfare Operator** | SO | |
| Special Warfare Operators are Navy SEALs, which are the Navy's primary unconventional warfare units that conduct warfare at Sea, in the Air, and on Land (SEAL). A SEAL's core skills consist of: Sniper, Breacher, Communicator, Maritime/Engineering, Close Air Support, Corpsman, Driver, Navigator (Rural/Urban/Protective Security), Heavy Weapons Operator, Sensitive Site Exploitation, Air Operations (Parachuting/Helicopter Insertion, etc.), Climber, Interrogator, Explosive Ordnance Disposal, Technical Surveillance, and Advanced Special Operations. SEALs oversee ocean-borne mine disposal, carry out direct action raids against military targets, conduct reconnaissance, and secure beachheads for invading amphibious forces. | | |
| **Sonar Technician** | STG<br>STS | (Surface)<br>(Subsurface) |
| Sonar Technicians are responsible for underwater surveillance. They assist in safe navigation and aid in search, rescue and attack operations. They operate and repair sonar equipment and jam enemy sonars. Sonar Technicians operate, maintain and repair sonar systems, antisubmarine warfare fire control equipment and other various equipment associated with underwater detection, counter-detection, warfare and communications. | | |
| **Yeoman** | YN | |
| Yeomen perform secretarial and clerical work. They deal with visitors, telephone calls and incoming mail. They organize files and operate copy machines and order and distribute supplies. They write and type business and social letters, notices, directives, forms and reports. | | |

## Engineering and Hull Ratings

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Damage Controlman** | DC | |
| Damage Controlmen perform the work necessary for damage control, ship stability, fire-fighting. They also prepare defenses against chemical, biological and radiological (CBR) warfare attacks. They instruct personnel in damage control and CBR defense and repair damage-control equipment and systems. | | |
| **Electrician's Mate** | EM | |
| Electrician's Mates are responsible for the operation and repair of a ship's or station's electrical power plant and electrical equipment. They also maintain and repair power and lighting circuits, distribution switchboards, generators, motors and other electrical equipment. Electrician's Mates are employed onboard nuclear powered ships to maintain the control subsystems in nuclear reactors. | | |
| **Engineman** | EN | |
| Enginemen are responsible for internal diesel and gasoline engines. They also maintain refrigeration, air-conditioning, distilling-plant engines and compressors. | | |
| **Gas Turbine System Technician** | GSE<br>GSM | (Electrical)<br>(Mechanical) |
| Gas Turbine System Technician are responsible for all gas turbine engines. They maintain propulsion machinery, including gears, shafting and controllable pitch propellers, assigned auxiliary equipment propulsion control systems, electrical and electronic circuitry up to the printed circuit module, and alarm and warning circuitry. They handle administrative tasks related to gas turbine propulsion system operation and maintenance. | | |
| **Hull Maintenance Technician** | HT | |
| Hull Maintenance Technicians are responsible for maintaining ships' hulls, fittings, piping systems and machinery. They install and maintain all shipboard and shore based plumbing and piping systems. They look after a vessel's safety and survival equipment and perform many tasks related to damage control. | | |
| **Interior Communications Electrician** | IC | |
| Interior Communications Electricians operate and repair electronic devices used in the ship's interior communications systems, SITE TV systems, 1MC (public address system), electronic megaphones and other announcing equipment. They are responsible for the gyrocompass systems. | | |
| **Machinist's Mate** | MM | |
| Machinist's Mates are responsible for the continuous operation of the many engines, compressors, gears, refrigeration, and air-conditioning equipment along with other types of machinery onboard ships and shore installations. They are responsible for the ship's steam propulsion and auxiliary equipment and the outside (deck) machinery. Specially trained and qualified Machinist's Mates are deployed onboard nuclear-powered ships to maintain the machinery and piping in nuclear reactors.Some nuclear machinists mates (Engineering Laboratory Technicians) receive additional specialization in Health Physics and maintaining reactor chemistry. | | |

| General rating | Abbreviation | Service rating |
|---|---|---|
| **Machinery Repairman** | MR | |
| Machinery Repairmen are skilled machine tool operators. They make replacement parts and repair or overhaul a ship's engine auxiliary equipment, such as evaporators, air compressors and pumps. They repair deck equipment, including winches, hoists, condensers, and heat exchange devices. Shipboard Machinery Repairmen frequently operate main propulsion machinery, besides performing machine shop and repair duties. | | |
| **Navy Diver** | ND | |
| Navy Divers are responsible for a wide variety of tasks like underwater ship maintenance, construction, explosive ordnance disposal (EOD), and underwater rescue. They are assigned to Naval Special Warfare Units to provide diving technical expertise and supervisory support to all submersible operations. | | |

# ENLISTED LEADERSHIP TRAINING

Military operations in today's world require strong leadership skills. All leaders must have and be able to instill in their subordinates' character, strong values and high standards. The Navy Leadership Continuum is a career-long continuum of Navy leader development, from recruitment to retirement. A total of four Leadership Training Courses have been developed to form the cornerstone of that continuum. These progressive and sequential courses are all two weeks with the exception of the nine- week Senior Enlisted Academy. Four major themes are the foundation of all the courses: values; responsibility, authority, and accountability of leadership; unity of command, Navy and services and continuous improvement. The Navy has recently revamped its leadership training and makes these programs available to other countries. Programs include:

The **Senior Enlisted Academy (SEA) (MASL P171019)** To prepare selected senior enlisted leaders, in the grades of E-7 thru E-9, to better fulfill their expanded leadership and management responsibilities. The class is sub-divided into small working groups to allow a free exchange of ideas, sharing of experiences, reasoning in group problem-solving, fostering self-confidence and team building. Guest lecturers are used extensively throughout the course as subject matter experts. The 240-hour curriculum addresses the following areas: communication skills, leadership skills, leadership and management techniques, national security affairs, U.S. Navy programs, and health and physical readiness. This course requires intensive reading, writing, and public speaking skills. Basic computer skills are also required. There are two phases to this course. The first 63-calendar day phase consists of facilitated distance learning via U.S. Navy War College blackboard (P471017, SENIOR ENLISTED ACADEMY (NON-RESIDENT). This course is the second phase, consisting of a 19-calendar day in residence portion. To graduate, students MUST attend both phases and pass ALL of the following: (1) Writing and speaking assignments (2) Exams (3) (Upon arrival) U.S. Navy Body Composition Assessment (OPNAVINST 6110.1J) This is not a stand-alone course and must be completed after/in conjunction with P471019, SENIOR ENLISTED ACADEMY (NON-RESIDENT). Targeted Audience: Enlisted E7-E9

The **International Professional Advanced Leadership (IPAL) (MASL P171039)** This course provides leadership education and training for international military personnel from E-5 to O-3 of all military services and has been designed to create a cadre of individuals in participating countries who can: 1. Rise to levels of prominence within their country's military leadership ranks, because of improved performance by personally employing enhanced leadership skills and possessing a greater strategic understanding of Leadership. 2. Serve as liaison personnel for the various U.S. (or other allies') METs or MTTs or other COCOM sponsored visits, (funded from a variety of sources), that are geared to improve professionalism and leadership. 3. Become instructors for a national military education effort to improve not only military professionalism and leadership skills, but also to help create an understanding of the necessity for a more skilled, better trained, more professional cadre of junior officer and enlisted leaders. IPAL combines the best aspects of time tested and proven leadership training with the latest state of the art educational methods. The course was designed first and foremost with a singular focus on enhancing the leadership capabilities and professional development of international military members. Core educational subjects such as leadership, personality profiling, instructor training, computer skills, physical training, time management and subordinate mentorship and counseling are addressed in detail by both classroom lecture and student exercises. In addition to these traditional subjects, 24 class hours are spent outdoors on the NAS Pensacola Leadership Reaction Course (LRC) which provides the very best "real world" training in the areas of leadership, team building, communication and decision making

skills. Along with our experienced instructor staff, several "Subject Matter Expert" guest speakers provide valuable insight into a broad field of relevant leadership issues such as: alcohol and drug abuse, suicide prevention, stress management, sexual harassment/hazing and the Rule of Law. Students completing this professional course of instruction will not only have greatly improved their own leadership skills and professional development, but will return to their commands with a wealth of knowledge and professionalism that should provide a long lasting positive influence to their countries' military services. (For information on IPAL METs see MASL P309114 and MASL P309274.)

The **Leadership Principles for Junior Enlisted Mobile Training Team (MTT) (MASL P309321)** This course is designed to provide non-commissioned officers and junior personnel in equivalent leadership positions with the requisite leadership skills necessary to function as effective leaders and managers within their job positions. Throughout the course, several different principles and concepts will be introduced, examined, and discussed in detail to fully explore the focal point. This course is intended to provide the student with an understanding of the role and responsibilities of a leading supervisor. Class Size: Maximum: 25 Students Minimum: 10 Students Requirements: -Classroom with desks and chairs of sufficient size suitable for inst. -Students are encouraged to bring their own writing utensils. ETC will provide: -Training materials

The **Leadership Principles for Senior Enlisted MTT (MASL P309322)** This course is designed to prepare senior enlisted to better fulfill their expanded leadership and management responsibilities and to strengthen the senior enlisted commitment to professional excellence and mission accomplishment. Curriculum focuses on leadership competencies in accomplishing the mission, leading change, leading and working with people, and resource management. The course is presented in an open forum discussion and encourages the sharing of ideas and experiences, reasoning in problem solving and fosters self-confidence and team building concepts to strengthen and develop strong leaders. Requirements: -Classroom with desks and chairs of sufficient size suitable for inst -Access to head and shower facilities -Must have physical fitness training attire (Running shoes, gym shorts and T-shirts) ETC will provide: -Training materials

# SPECIALTY TRAINING

This section of the catalog provides information on schoolhouses that provide training not directly geared to any one specific officer designator or enlisted rating.

## DEFENSE LANGUAGE INSTITUTE ENGLISH LANGUAGE CENTER (http://www.dlielc.org)

The Defense Language Institute English Language Center (DLIELC) conducts the English Language training program at Lackland Air Force Base, Texas, to prepare international military and civilian students for entry into technical training courses conducted by the US military departments.

At DLIELC, small classrooms, equipped with the latest in training technology, are specifically designed to support student-centered instruction. In addition, the DLIELC curriculum meets the diverse needs of the adult military population with courses that address the specific language requirements of international military students' career fields.

The following courses may be scheduled to start any week:
**General English Language Training (GET) (MASL D177027)**
The purpose of GET is to raise a student's English language proficiency to the level required to enter follow on training.

**Specialized English Training (SET) (MASL D177008)**
This nine (9) week course focuses on language/study skills and terminology associated with technical training and professional military education. Students must achieve the English Comprehension Level (ECL) and Oral Proficiency Interview (OPI) (if applicable) requirements for entry into the follow-on training course **BEFORE** entry into SET.

**American Language Course (MASL D177009)**
This course is variable in length (minimum 10 weeks), includes General English Training and Specialized English Training.

Additional courses available at DLIELC include:

**Oral Proficiency Skills for Aviation Course (MASL D177026)**

**Test of English as a Foreign Language (TOEFL) (MASL D177022) Integrated Skills for Academic Purposes Course**

Course descriptions and schedules can be found at the DLIELC website above.

## 2016/2017 Combating Terrorism Fellowship Program (CTFP) Course List

| CONUS Courses |
|---|
| **General Combating Terrorism Focus** |
| CCMR - Civil-Military Responses to Terrorism (P179018) |
| Coast Guard Training Center - International Crisis Command and Control Course (P162285) |
| NPS - International Information Warfare (P179222) |
| NPS - Joint Information Operations - Master's Program (P179042) |
| NPS - Counterterrorism Policy & Strategy-Master's Program (P173201) |
| |
| **Intel Focus** |
| CCMR - Executive Program In Defense Decision Making (P170001) |
| |
| **Maritime Focus** |
| CCMR - Civilian-Military Approach to Maritime Security (P179548) |
| NITC Pensacola Florida - International Antiterrorism Officer Course (P173002) |
| NAVSCIATTS - Strategic Level Small Craft Combating Terrorism (P145054) |
| |
| **Legal Focus** |
| DIILS - International Law of Military Operations (P176027) |
| DIILS - Legal Aspects of Combating Terrorism (P176028) |
| DIILS - Legal Aspects of Defense Support of Civil Authorities (P176042) |
| |

| Special Ops Focus |
| --- |
| NPS 699 - Special Operations (MS Program) (P173200) |
| |
| **Mobile Courses** |
| CCMR - Civil-Military Responses to Terrorism: Consequence Management (P309041) |
| CCMR - Civil-Military Responses to Terrorism: (P273011 - Regional) (P309069 - Bilateral) |
| CCMR - Civil-Military Responses to Terrorism: Countering Ideological Support of Terrorism (P309042) |
| CCMR - Civil-Military Responses to Terrorism: Intelligence and Combating Terrorism (P309043) |
| CCMR - Civil-Military Responses to Terrorism: Maritime Security (P309044) |
| DIILS - Legal Aspects of Combating Terrorism MET (P309063 - Bilateral) (P309062 - Regional) |
| NPS - Intermediate Instruction Program on Social Network Analysis (P309886) |
| |
| **PRE-APPROVED HOMELAND DEFENSE COURSES** |
| **CONUS Courses** |
| CCMR - Civil-Military Approaches To Maritime Security (P179548) |
| NPS 686 - Stabilization and Reconstruction (MA Program) (P179028) |
| NPS 685 - International Security and Civil-Military Relations (MS Program) (P171403) |
| DIILS - Legal Aspects of Combating Corruption (P176040) |
| DIILS - Legal Aspects of Defense Support of Civil Authorities (P176042) |
| NPS - Intermediate Instruction Program on Social Network Analysis (P139485) |
| |
| **Mobile Courses** |
| CCMR - International Homeland Defense MET (P309158) |

| |
|---|
| CCMR - Civil-Military Responses to Terrorism: Consequence Management MET (P309041) |
| CCMR - Civil-Military Responses to Terrorism: Maritime Security MET (P309044) |
| CCMR - Civilian-Military Approach to Maritime Security (P309044) |

## International Only Courses

| MASL | COURSE TITLE | OFFERED |
|---|---|---|
| P121022 | International CIC Watch Officer | JAN/MAR/SEP |
| P121023 | AIC Intl – CSCS Detachment PT Loma CA | FEB/AUG |
| P122560 | International Diesel Submarine Training | MAY |
| P122571 | International Joint Maritime Tactical Development | OCT |
| P123073 | INTL ASW Air Control (ASAC), CSCS Learning Site Norfolk | MAY/JUL/OCT |
| P123653 | INTL ASW Junior Officer Course CSCS FLTASWTRACENPAC | |
| P129149 | INTL Damage Control Assistant | JUL |
| P139336 | EW Officer International | NOT AVAILABLE |
| P172003 | International Maritime Intelligence Course | MAY/SEP |
| P179135 | Surface Warfare Officer (SWOS) Department Head Op | APR/AUG |
| P179136 | SWOS International | APR/AUG |
| *Related but not Intl only* | | |
| P129340 | ASW Eval, CSCS FLTASWTRACENPAC San Diego CA | JAN/MAR/MAY/JUL/SEP |
| P121006 | AIC Proficienty Maint, CSCS Detachment PT Loma CA | FEB/MAR/APR/JUN/JUL |

# SPECIALTY TRAINING

| MASL | COURSE TITLE | OFFERED |
|---|---|---|
| **SUPPLY** | | |
| P152011 | International Officer Supply Course - Resident | Summer/Fall |
| P152003 | International Officer Supply Course – Travel Portion | |
| P171053 | Intl Logistics Executives Advanced Development (ILEAD) | |
| **NAVAL METEOROLOGY AND OCEANOGRAPHY PROFESSIONAL DEVELOPMENT CENTER (NMOPDC)** | | |
| P169208 | Intl Hydrographic Management and Engineering Program | |
| P169265 | International Hydrographic Science Applications Program | |
| **DRMI** | | |
| P162003 | International Defense Management Course | APR/SEP |
| P162004 | Senior International Defense Management Course | JUN |
| | | |
| **All CCMR Courses** | | |
| | | |
| **All IDARM Courses** | | |
| **All DIILS Courses** | | |
| **All EOD Courses** | | |
| **All NAVSCIATTS Courses** | | |

## NETSAFA INTERNATIONAL TRAINING CENTER (NITC)

**(https://www.netsafa.navy.mil/det/nitc.asp)**

NITC's mission is to "Enhance NETSAFA's global impact by providing state of the art preparatory and specialized training and education to international military students in support of national security objectives". NITC introduces students to the U.S. Navy's training methodologies through specialized instruction that is tailored to individuals in small classroom settings. The schoolhouse conducts international officer and enlisted training and education in numerous military disciplines, both operational and administrative, and has successfully met the needs of several different customers' countries. NITC is subordinate to its parent command, NETSAFA, which oversees all U.S. Navy and U.S. Marine Corps international training.

Utilizing the preparatory programs available at NITC, international students can enjoy the same course completion rates in their follow-on courses as their U.S. counterparts in a variety of academic and military disciplines. NITC's methodology is to immerse students in a U.S. military training classroom environment with classroom material specifically tailored to address their required follow-on training subject areas.

Additionally, NITC has developed specialized Professional Military Education (PME) courses in three "stand alone" areas. These specialized courses are taught as seminars with the goal of using student interaction with each other, as much as with the instructor and numerous guest speakers. These three individual courses focus on international anti-terrorism and piracy, international professional advanced leadership practices and manpower, personnel, training and education implementation and administration, respectively.

NITC broadens our students' mental capability, enhances their ability to process information, facilitates English language growth through classroom interaction, instructs them in computer based training devices, and prepares them, mentally and physically, for demanding training and career assignments. NITC is able to accommodate a wide variety of training and education needs through existing courses and training support instruction. Courses can also be tailored to specific training needs.

The Center is equipped with classrooms, study/work rooms and computer labs with simulator and interactive computer instruction programs.

The schoolhouse was initially established in 1985 to meet the needs of Royal Saudi Naval Force students, providing them additional academic and physical training to enhance their success in the rigorous U.S. Navy flight training program. It was reorganized as the NETSAFA International Training Center (NITC) in 1998 and is located aboard NAS Pensacola, Florida.

NITC has welcomed students from over 100 countries in the last five years and stands ready to meet the needs of customer countries for any present or emerging training and education requirement. Please contact your NETSAFA Country Program Manager to discuss possible NITC preparatory instruction or training and education support initiatives.

Some existing NITC courses and preparatory instruction include:

**International Anti-Terrorism/Anti-Piracy Officer Course (P173002)** This course is a four week and one day course, taught at the strategic/operational level, designed to acquaint military officers and civilian government officials (O3-O7 military or civilian equivalent) with the most up-to-date information on defenses to terrorism and piracy as well as a strategic understanding of the major terrorism and piracy threats worldwide. The course provides attendees with an overview of the latest developments in anti-terrorism/piracy actions being taken by governments, militaries and the private sector to defend against potential terrorist and pirate attacks and how to create a plan to meet those threats. The course features expert military and civilian guest speakers, numerous case studies, interactive student exercises and includes several field trips to harbors, airfields, power plants and similar potential terrorist targets. At course completion attendees are capable of leading a military or government organization in conducting vulnerability, risk, and criticality assessments of critical national infrastructure facilities or ashore and afloat military commands and of advising government agencies or military commands as an anti-terrorism and/or anti-piracy officer. Attendance can be funded from a variety of U.S. Military Cooperation and Assistance funds including, but not limited to, CTFP; IMET; E-IMET; FMS and FMF funding.

**International Professional Advanced Leadership – (MASL P171039)** This five week and one day course provides leadership education and training for international military personnel from E-5 to O-3 of all military services and has been designed to create a cadre of individuals in participating countries who can: 1. Rise to levels of prominence within their country's military leadership ranks, because of improved performance by personally employing enhanced leadership skills and possessing a greater strategic understanding of the challenges facing today’s military leaders; 2. Serve as liaison personnel for the various U.S. (or other allies') METs or MTTs or other COCOM sponsored visits, (funded from a variety of sources), that are geared to improve professionalism and leadership; 3. Serve as instructors for a national military education effort to improve not only military professionalism and leadership skills, but also to help create an understanding of the necessity for a more skilled, better trained, more professional cadre of junior officer and enlisted leaders. IPAL combines the best aspects of time tested and proven leadership training with the latest state of the art educational methods. The course was designed, first and foremost, with a singular focus on enhancing the leadership capabilities and professional development of international military members. Core educational subjects such as leadership, personality profiling, instructor training, public speaking, computer skills, physical training, time management and subordinate mentorship and counseling are addressed in detail by both classroom lecture and student exercises. In addition to these traditional subjects, 24 class hours are spent outdoors on the NAS Pensacola Leadership Reaction Course (LRC) which provides the very best "real world" training in the areas of leadership, team building, communication and decision making skills. Along with our experienced instructor staff, several "Subject Matter Expert" guest speakers provide valuable insight into a variety Professional Military Education Topics such as International Law and Human Rights, the Law of Armed Conflict, Rules of Engagement, and other relevant personnel issues like sexual harassment, equal opportunity, alcohol and drug abuse, and military discipline issues that impact subordinates and pose significant leadership challenges. Students completing this professional course of instruction will not only have greatly improved their own leadership skills and professional

development, but will return to their commands with a wealth of knowledge and professionalism that should provide a long lasting positive influence to their countries' military services. (For information on IPAL METs see MASL P309114 and MASL P309274.).

**Manpower, Personnel, Training and Education (MPT&E) Course (MASL P179204)** This course is designed to equip senior-level military and civilian MPT&E professionals with the knowledge, skills, and abilities needed in their positions to develop, implement, execute, and manage innovative MPT&E solutions for the future. The number one challenge facing a military force in today's constrained fiscal climate is to preserve and enhance the capability of its most critical asset-its people. This course provides attendees with a comprehensive introduction to strategic and operational techniques for the development, management, and improvement of Human Capital strategies, policies, and programs in an integrated environment. Participants will learn to address contemporary challenges through an academically advanced, PME-level course covering the complex and interrelated areas of knowledge and practice within the MPT&E field. The course is suitable for international military (officer or senior enlisted) and civilian personnel who are assigned to or detailed to positions of responsibility in MPT&E functions to include: Detailing/Assignment Process, Community Management, Force Planning, Training and Education, Human Resources, Recruiting, Program or Management Analysis, Weapons or Systems Acquisition, and Security Assistance or Country Liaison. The course consists of lectures, discussions, guest speakers, field trips, student presentations, and small-group exercises. Lecturers and guest speakers are hand-picked and recognized as experts in military or civilian government fields. Field trip locations are carefully selected to provide students the maximum learning opportunity as well as exposure to U.S. cultural, governmental, and historical venues. Student presentations provide participants the opportunity to discuss best practices from their organizations. Finally, group exercises allow participants to apply theory and develop problem-solving skills in an inter-operative environment that includes a final "Capstone" exercise. Subject matter covered in the course includes: Manpower Systems and Processes, Training Pipelines, Officer and Enlisted Detailing, Force Shaping, Recruiting, Human Resource Practices, Pay and Compensation Systems, Integrated Learning Environment, Resource Allocation, Advancement and Career Paths, Supply Chain Management, Measures of Success, Training for Specific Deployments, Legal Concerns for MPT&E, Personal and Professional Development, Professional Military Education, MPT&E in the Acquisition Process, Selection and Promotion, and Inter-Deployment Training Cycles. Course visits outside of the Pensacola area may include some or all of the following: Great Lakes, IL (Recruit Training Center and Training Support Center); Millington, TN (Chief of Naval Personnel, Navy Recruiting Command, and Navy Manpower Analysis Center), Newport, RI (Senior Enlisted Academy, Naval War College, Surface Warfare Officers School, Officer Training Command); Washington, D.C. area (DCNO for MPT&E (OPNAV N1), U.S. Marine Corps Training and Education Command, U.S. Naval Academy, National Defense University, San Antonio, Texas, and the USAF Command and Staff College in Montgomery, Alabama.

**Basic Aviation Preparatory Training (MASL P119311)** The Basic Aviation Preparatory Training curriculum supports preparatory instruction prior to entry into the U.S. Navy undergraduate pilot and naval flight officer training pipelines. This curriculum consists of six primary areas of instruction: Aerodynamics, Aircraft Engines, Navigation, Flight Rules and Regulations, Meteorology, and Physical Fitness/Survival Swim/CPR/First Aid. Further, this training supports students with ongoing preparatory instruction throughout the U.S. Naval Aviation pilot and naval flight officer training pipelines.

# SPECIALTY TRAINING

**RSAF Undergraduate Pilot Basic Aviation Preparatory Training (MASL P119325)** This course provides Basic Aviation Preparatory Training to RSAF undergraduate flight students prior to attending Initial Flight Screening (IFS)(119036). Course includes instruction in: Learning to Listen, take notes, and take tests; finding the main and supporting idea(s) in a passage, basic mathematics operations (decimals/percentages), basic electricity, fluid power, motion, engines, aircraft structures, aerodynamics, atmospheric structure and weather, navigation, FAA, and Visual/Instrument flight rules

**Naval Ground Forces Combat Leadership (NAVFORCE) (MASL P129600)** The Naval Ground Forces Combat Leadership Course (NavForce), prepares International Maritime Ground Forces (Navy, Coast Guard and Marine Corps) Junior Officers (0-1 to 0-4) and Senior Enlisted (E-6 to E-9) to assume Infantry (Company and Platoon Level) Leadership billets. This course can be used as a stand-alone program for advanced level leadership, combat skills training and physical conditioning, or as a preparatory for other more advanced U.S. Naval Ground Forces leadership/combat training programs such as: The U. S. Marine Corps Basic Officer Course, The Basic School (TBS), Quantico, VA and the U. S. Marine Corps Staff Non-Commissioned Officers Academy (SNCOA), Quantico, VA. The 16 week course curriculum consists of seven primary areas of instruction: Leadership, Physical Fitness, Combat Water Survival, Land Navigation, Small Unit Tactics, Communications, Call to Fire and Weapons. Graduates will be better able to lead small unit infantry operations in support of Naval Forces, to include: shipboard, naval base and oil platform security, amphibious assault landing operations, shore based airfield security and independent offensive/defensive infantry combat operations. The Naval Ground Forces Combat Leadership Course (NavForce) was initially developed in response to a Royal Saudi Marine Forces request for preparatory training to better prepare their junior officers scheduled to attend the Marine Corps Basic Officer Course (TBS). That initial course curriculum has been expanded and improved and the course is now open to all international junior officers and senior enlisted personnel that meet the course criteria.

**Fundamental Skills Training, (MASL P179610)** Provides international students with fundamental academic skills and practical knowledge in the following areas: Learning Skills, Vocabulary, Reading and Reading Comprehension, Mathematics, Interpretation of Graphics, Learning to Use a Manual, Physical Science, Job Skill Orientation, and Life Fitness. The intent of this fundamental skills training package is to provide students an entry level ability in science, math, and technical comprehension. This course can be tailored to desired topic areas and length of training.

**Technical Training in Electricity and Electronics (MASL P179612)** Provides the student with the academic skills and practical knowledge of fundamental electricity and electronics. This curriculum includes safety, magnetism, inductance, capacitance, resonance, transformers, generators, motors, power supplies, simple circuits, radio frequency communication, navigation, radar, and test and measuring equipment.

**Technical Training in Mechanics (MASL P179613)** Provides the student with the academic skills and practical knowledge of fundamental mechanics. This curriculum is comprised of instruction in mechanical, fluid and electrical power systems, power plants, aerodynamics, support equipment, mechanical equipment and tools, and safety.

# SPECIALTY TRAINING

**Technical Training In Logistics/Supply (MASL P179614)** Provides the student with the knowledge and skills necessary to perform the basic job tasks required by the Navy's Logistics Specialist rating. Students will accomplish the following learning objectives through Computer Based Training (CBT), group-paced instruction and intensive practical exercises: Supply administration; material identification; material procurement; material receipt, stowage and handling; basic inventory management afloat; financial management. Areas covered will include the Navy Supply System, customer service, Navy correspondence, material identification and procurement, basic OPTAR accounting, material receipt, stowage and inventory control utilizing the Integrated Barcode System (IBS), supply forms, basic supply acronym and Military Standard Requisitioning and Issue Procedures (MILSTRIP) for effective performance as an apprentice supply technician under supervision.

**Computer Technology and Management Information Systems (MASL PDET002)** Trains the student in Basic, Intermediate, or Advanced Computer Operations, and provides an introduction to various Computer Software Programs and Applications.

**NSW INTERNATIONAL SOF PHYS TRAINING PREP COURSE (MASL P124084)** Prepares Foreign SOF candidates to perform demanding physical training and aquatic skills that will minimize failure within the SEAL accession pipeline. SCOPE: The training includes the following: Entry level NSW Physical Screen Test, NSW PC Exit Standards Test; Physical training to include: free weights and calisthenics strength training, conditioning and timed runs, stretching, flexibility, and agility exercises, conditioning and timed swims, combat swimmer skills such as drown proofing, lifesaving, and underwater knot tying. This course is mandatory for all international military students attending follow-on training at the Basic Underwater Demo/Seal (BUD/S) School in San Diego, CA. **The in-country selection process is vital to the success of this rigorous course.**

**Explosive Ordnance Disposal (EOD) Preparatory Training (MASL P122079)** Provides instruction in Explosive Ordnance Disposal (EOD) concepts, math, science, study, learning, and vocabulary skills. Additionally, the program offers international students the opportunity to participate in physical conditioning that is also necessary for EOD School. The physical training is designed to build the students' overall body strength in order to meet the physical demands found in this field.

**SWIM Preparatory Training (MASL PDET016)** Provides international students the opportunity to meet the necessary physical standards or be able to physically qualify in U.S. Navy training programs including pilot, Naval Flight Officer (NFO)/Weapons Systems Officer (WSO), rescue swimmer, and aircrew training. The physical training is designed to build the students overall body strength in order to meet the rigors of the many physically demanding qualities found in all types of aviation training and other areas requiring high physical standards. Water survival training exposes the student to special swim conditioning to familiarize and be able to adapt to the open water environment. **The in-country selection process is vital to the success of this rigorous course.**

**NITC Dive Prep and Screening (MASL PREPDIV)** Provides international students the opportunity to meet the necessary physical standards or be able to physically qualify for entrance into the one of four schools in Panama City, FL: Joint Officer Dive, Second Class Dive Course, First Class Dive Course, or Diving Medical Officer Course. The physical training is designed to build the students overall body strength in order to meet the rigors of the many demanding qualities found to be needed in the U.S. Navy Dive pipeline. This course is mandatory for all international military students attending follow-on training at the U.S. Navy Dive School.

**The in-country selection process is vital to the success of this rigorous course.**

This course is mandatory for all international military students attending follow-on training at the U.S. Navy Dive School.
Prerequisites:
(1) Attendance at NITC Dive and Swim Prep (MASL: PDET016) is mandatory for all students prior to arrival at course site. Waivers to this requirement may be requested from and approved by the Training Provider only on a case by case basis.
(2) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS.
(3) Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Students cannot be pregnant.
(4) Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program.

a) The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram).

b) A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil.

c) A copy of the forwarding letter shall be provided to NETSAFA. d) All medical requirements must be completed prior to arrival at the course site.

(5) This course is reserved for International Military Officer Students under the Foreign Military Sales (FMS) Program and International Military Education and Training (IMET) Program.
(6) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required.
(7) Students must have a physiological and psychological screening test before attending this course of instruction.
(8) Prerequisites must be completed prior to arrival at course site. Physical and medical requirements for this course can be found in the NDSTC IMS Handbook located on line: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

# SPECIALTY TRAINING

The individual ITO must be endorsed (special remarks section): "Mandatory physical training is required. Refusal to participate shall result in dismissal." (see prerequisite text for more information.) Students must be prepared to participate in daily, strenuous exercise for approximately one hour. This includes three-mile runs, 1,000 yard swims and numerous calisthenics. Students should report five working days prior to convening date for acclimation and administrative processing. Students must report with medical and dental records. Prior to enrolling in this course, students should be thoroughly familiar with additional training resources found on the NDSTC website: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0

## NAVY SMALL CRAFT INSTRUCTION AND TECHNICAL TRAINING SCHOOL (NAVSCIATTS)
**(http://www.public.navy.mil/nsw/NAVSCIATTS)**

**Mission**
"NAVSCIATTS conducts Foreign Internal Defense (FID) in support of Combatant Commanders in accordance with Commander, U.S. Special Operations Command priorities using Mobile Training Teams (MTTs) and in-residence training to prepare partner nation forces to conduct small craft operations in riverine or littoral environments."

**About**
NAVSCIATTS is a Security Cooperation schoolhouse operating under the U.S. Special Operations Command. NAVSCIATTS trains and educates Foreign Security Forces on strategy, operations, leadership, communications, weapons, maintenance, and instructor development via in-resident and mobile training teams. NAVSCIATTS courses fall under the four core pillars consisting of Operations, Maintenance, Leadership and Specialized Courses. Courses are conducted in either English or Spanish or, in special circumstances with prior coordination, in other languages through interpreters.

**Location**
NAVSCIATTS is located on the Mississippi coast, 45 miles (72 km) northeast of New Orleans. The recommended airports for student arrival and departure are the New Orleans International Airport (MSY) and the Gulfport-Biloxi Regional Airport (GPT). NAVSCIATTS staff members will meet all students at the airport for transportation.

**Student Life**
To augment student training, NAVSCIATTS, in conjunction with Navy IPO, organizes educational trips through the Field Studies Program (FSP). Points of interest include visits to local businesses, historical sites, museums along with civic activities in Southern Mississippi, Louisiana, Alabama, Florida and Georgia. The aim is that Foreign Security Force students will return to their homeland with an understanding of the responsibilities of governments, militaries, and citizens to protect, preserve, and respect the rights of every individual and the understanding of the roles and interrelationships of a culturally, ethnically, economically, and socially diverse population in a democratic society. To enhance the Field Studies Program, all nations represented in each class session are asked to share an oral presentation about their home country with the rest of the class and staff. NAVSCIATTS also offers a Student Welcome Program designed to provide Foreign Security Force students with an opportunity to meet and interact with American families. Sponsors enhance the students' time in America by sharing culture and other experiences. The program also provides a great opportunity for sponsors and their families to learn more about the world through the students. Additionally, NAVSCIATTS has a physical training facility with weights and aerobic machines, a soccer field, bikes and areas to ride or run, an obstacle course, a volleyball court, a basketball court, a horseshoe pit, high-speed wireless internet and an Internet lounge, a DVD library, video game consoles, and a grill/gazebo area for barbecues and picnics.

**Mobile Training Teams**
NAVSCIATTS tailors courses for instruction within a host nation and utilizes Mobile Training Teams (MTTs) to provide this training. MTTs can be conducted in English, Spanish, or in the host nation's language through the use of an interpreter. The host nation can request an MTT via U.S. Security Cooperation Officer (SCO) or the SCO can initiate the process.

## OPERATIONAL COURSES

**Patrol craft officer coastal (PCO-C) MASL (P145062) (9 Weeks)**
This operational course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel. PCO-C provides students with specialized training in the employment and operation of a Patrol Craft conducting security operations in littoral and coastal environments supporting interdiction, counter-terrorism and counter-narcotics operations.

**Patrol Craft Officer Riverine (PCO-R) MASL (P145909) (9 Weeks)**
This course is designed for junior officer, senior enlisted personnel or civilian equivalent and provides students the specialized training necessary to safely and effectively plan and execute Patrol Craft security operation in riverine and littoral environments supporting interdiction, counter-terrorism and counter-narcotics operations.

**International Tactical Communications Course (ITCC) MASL (P145000) (4 Weeks)**
This course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel and provides students with the required instruction and field training to plan and conduct programming and operation of HF, VHF and UHF communication equipment in all environments and situations. ITCC also teaches ancillary information required of communicators to include developing enabling objectives, frequency prediction, antenna selection and construction, data communications, troubleshooting, field hints, encryption and tactical chat, GPS equipment and communications operations planning. Practical application will test skills learned and includes conducting short, medium and long range communication drills in diverse terrain and locations.

**International Small Arms Maintenance (ISAM) MASL (P145904) (4 Weeks)**
This course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel and provides students with basic training required to repair and perform routine preventative maintenance on both foreign and U.S. small arms and crew served weapons systems. Courses may be tailored for both foreign and U.S. weapons systems in the areas of weapon and ammunition fundamentals, malfunction analysis, disassembly, inspections, cleaning and troubleshooting.

**Combat Lifesaver Course (CLC) MASL (P122000) (2 Weeks)**

This course can be taken as a stand-alone course but is also highly recommended as a follow-on course for students from other operational courses. Designed for junior officers, senior enlisted personnel or civilian equivalent personnel. TCCC provides students specialized training in advanced battlefield lifesaving skills and measures as a secondary mission to their primary combat mission.

## MAINTENANCE COURSES

**Diesel Systems Overhaul and Maintenance (DSOM) MASL (P145907) (8 Weeks)**
This course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel and provides students the training necessary to maintain, repair and extend the service lifecycle of diesel engines. Relevant training includes detailed instruction for diesel systems applicable to small craft, vehicles, generators and other diesel driven equipment.

**Outboard Motor Maintenance and Overhaul (OBM) MASL (P145906) (8 Weeks)**
This course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel and provides students the training necessary to maintain, repair and extend the service lifecycle of an outboard motor engine. Training consists of internal combustion theory, characteristics, operating principles, lubrication, precision measuring tools, and troubleshooting with diagnostic computers accomplished through the full disassembly and reassembly of the gear case and power head on a functional engine.

**Technical Welding and Applied Repairs (TWAR) MASL (P145903) (8 Weeks)**
This course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel and provides basic training required to perform structural repairs and preventative maintenance to a variety of steel, aluminum or fiberglass components. TWAR also provides training in rubber hull craft repair and includes instruction in oxyacetylene cutting, welding and brazing techniques, electric arc and aluminum MIG welding and fiberglass repair.

## LEADERSHIP COURSES

**Strategic Level Small Craft Combating Terrorism Course (SLC) MASL (P145054) (4 Weeks)**
This senior level course expands military education to senior officers (0-6, 0-5, 0-4) or civilian equivalent leaders. All others must provide justification and currently be working in an 0-4 capacity/slot. Students will receive training on the strategic theory of standing up, manning, training, equipping, resourcing, employing, and sustaining a “Combating Terrorism” unit up to and including operational campaign design focused on counter-terrorism, transnational crime, and myriad other security challenges that include the maritime domain.

**Waterborne Instructor Course Coastal (WIC-C) MASL (P145118) (8 Weeks)**
**(This is an attrition based course: please read pre requisites carefully, and contact NAVSCIATTS IMSO with any questions.)**
This advanced course is designed for selected junior officers, senior enlisted personnel or civilian equivalent personnel who are graduates of the Patrol Craft Officer Coastal Course or personnel with a comparable level of training. Training consists of classroom lectures and progressive sequencing of full mission profile operational scenarios. WIC-C allows students to master the skills needed to provide training to members of their armed forces or civilian equivalent organizations.

**Waterborne Instructor Course Riverine (WIC-R) MASL (P145083) (8 Weeks)**
**(This is an attrition based course: please read pre requisites carefully, and contact NAVSCIATTS IMSO with any questions.)**
This advanced course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel who are graduates of the Patrol Craft Officer Riverine Course or personnel with a comparable level of training. Training consists of classroom lectures and progressive sequencing of full mission profile operational scenarios. WIC-R allows students to master the skills needed to provide training to members of their armed forces or civilian equivalent organizations.

**Instructor Development Course (IDC) MASL (P145905) (2 Weeks)**
This course can be taken as a stand-alone course but is also highly recommended as a follow-on course for personnel completing operations or maintenance courses. This “Train-the-Trainer” course is designed for junior officers, senior enlisted personnel or civilian equivalent personnel who will be assigned to a supervisory or instructor role. IDC provides the skills required to conduct formal training.

**Rule of Law and Disciplined Military Operations (ROL) MASL (P176036) (1 Week)**
This stand-alone course is highly recommended as a follow-on course for personnel in both operations and maintenance specialties. ROL instruction focuses on the rule of law, its impact on human rights, and how these considerations fit into the planning and conducting of military operations to include rules of engagement, laws of armed conflict and the role of a military justice system in accomplishing military objectives.

**SPECIAL COURSES**

**UAS OPERATIONS and PLANNING (UASOP) (MASL P119085) (4 Weeks) (12 Students)**
This course teaches entry-level students the necessary skills and competencies needed to plan and conduct UAS operations with operational safety as the paramount objective. The UASOP course teaches necessary skills and competencies required to operate the Puma AE Digital Data Link (DDL) Small Unmanned Aerial System (SUAS) under supervision and in tactical environments.

# SPECIALTY TRAINING

**INTEL FUSION OPERATIONS AND INTEGRATION (IFOI) (MASL P121063) (3 Weeks) (15 Students)**
This course provides international Special Operations Forces and civilian equivalent personnel the training needed to effectively fuse and integrate intelligence into operations. This course enables students to anticipate and predict enemy operations, identify and locate enemy forces, and perform intelligence exploitation analysis of personnel and material.

**JO/NCO LEADERSHIP AND PLANNING (JNPL) (MASL P121062) (2 Weeks) (15 Students)**
This course is designed for company-level junior officers and senior enlisted personnel. JNPL provides international Special Operations Forces, conventional forces and law enforcement agencies with the knowledge and skills required for the tactical deployment of Special Operations detachments with operational-level mission planning.

**SOF TACTICAL PATROL LEADER (SOFTPL) (MASL P124082) (4 Weeks) (Attrition Course) (15 Students)**
This course is designed for company-level junior officers and senior enlisted personnel. SOFTPL provides international Special Operations Forces, selected conventional forces and law enforcement agency students with tailored training in the tactical employment of platoon-sized units in various environments and operational scenarios.

**RANGE OPERATIONS SAFETY (ROS) (MASL P122131) (1 Week) (15 Students)**
This course provides international Special Operations Forces, select conventional forces and police personnel the training necessary to effectively manage, train, and employ various types of small arms and ammunition.

**EXPEDITIONARY LOGISTICS AND SUPPLY (ELS) (MASL P152014) (4 Weeks) (15 Students)**
This course provides senior-level Special Operations Forces and supply department personnel the training necessary to effectively manage supply operations for small and medium-sized expeditionary detachments whose mission includes conducting supply management ashore and afloat for expeditionary units and in austere environments.

**PATROL CRAFT ADVANCED TRAINING (PCAT) (MASL P145152) (5 Weeks) (16 Students)**
This course provides international Special Operations Forces, selected conventional forces and police personnel with intermediate to advanced training in the operation of small boats in riverine and littoral environments. PCAT provides students the skills necessary to perform group and individual small craft evolutions.

## CENTER FOR EXPLOSIVE ORDNANCE DISPOSAL (EOD) AND DIVING
**(http://www.netc.navy.mil/centers/ceneoddive/eods/)**

The Center for EOD and Diving (CENEODDIVE) was established in June 2003. The Center for EOD and Diving provides oversight and control of the career progression of Navy EOD Technicians and Divers. The primary function of the CENEODDIVE is to support innovative human performance solutions that meet the needs of the fleet, by identifying and implementing the most efficient methods of training and delivery for Sailors in the domain, while ensuring advancement opportunities and requisite competency levels for all personnel are maintained.

EOD training and diving training are considered high risk training and requires students to pass a prerequisite physical screening, meet demanding physical standards, and have a minimum ECL of 80.

## I. Naval Explosive Ordnance Disposal Courses

**International Explosive Ordnance Disposal Phase I (MASL P122060)**
International EOD Phase I Course (8 weeks) trains officer & enlisted personnel in Explosive Ordnance Disposal (EOD) operations to include: Reconnaissance/Identification, Access/Recovery, Publications, Render Safe Procedures, and Disposal Procedures of explosive ordnance.

**International Explosive Ordnance Disposal Familiarization (MASL P123302)**
International EOD Familiarization (FAM) Course (8 days) familiarizes experienced International EOD Operators (as defined in NATO Standardization Agreement [STANAG] 2389) officer and enlisted personnel from specific NATO/ABCANZ countries with a minimum of 3 years operational experience as an EOD Operator. Course provides a review in Explosive Ordnance Disposal (EOD) operations to include: Reconnaissance/Identification, Access/Recovery, Publications, Render Safe Procedures, and Disposal Procedures. IMS will utilize these methodologies in the International EOD Phase II Surface Course.

**International Explosive Ordnance Disposal Phase II Surface (MASL P123300)**
International EOD Phase II Surface Course (14 weeks) trains officers and enlisted personnel in Explosive Ordnance Disposal (EOD) operations to include: Reconnaissance/Identification, Access/Recovery, Publications, Render Safe Procedures, and Disposal Procedures of Ground, Air, and Biological/Chemical Ordnance and IEDs.

Notes: P122060 or P123302 serves as a prerequisite for P123300

**International EOD Guided Missiles (MASLs P193000 to P1970025)**
International GM course (1.5 hour max per GM) trains officers and enlisted personnel in Explosive Ordnance Disposal (EOD) operations to include: Reconnaissance/Identification, Access/Recovery, Publications, Render Safe Procedures, and Disposal Procedures of specific GMs.

**International Explosive Ordnance Disposal Phase II Navy (MASL P123301)**
International EOD Phase II Navy Course (2.6 weeks) trains officers and enlisted personnel in Explosive Ordnance Disposal (EOD) operations to include: Reconnaissance/Identification, Access/Recovery, Publications, Render Safe Procedures, and Disposal Procedures of Underwater Ordnance.

## II. Naval Diving and Salvage Training Center Courses

**Second Class Diver (MASL P179606)**
*****THIS IS HIGH RISK TRAINING*** **THIS IS A PHYSICALLY DEMANDING COURSE****
This course provides instruction in diving physics, medicine, self-contained underwater breathing apparatus (SCUBA) operations and maintenance, surface supplied diving operations and maintenance, recompression chamber operations and maintenance, hydraulic tools and operations, underwater cutting and welding, divers life support systems and quality assurance procedures, basic demolition operations, closed circuit mixed gas underwater breathing apparatus, closed circuit oxygen underwater breathing apparatus, basic ships construction, and salvage equipment operations. This course qualifies personnel to safely and effectively perform as a diver to a depth of 190 feet and dive team member per approved technical manuals and the U.S. Navy Diving Manual.

**First Class Diver (MASL P179607)**
*****THIS IS HIGH RISK TRAINING*** **THIS IS A PHYSICALLY DEMANDING COURSE****
This course provides instruction in advanced physics, diver life support maintenance and quality assurance, advanced medicine and recompression chamber procedures, salvage and underwater ships husbandry planning and operations, closed circuit mixed gas operations and procedures, surface supplied air and mixed gas diving operations and procedures, and casualty control procedures. This course instructs personnel in Operational Risk Management (ORM) and planning to safely and effectively supervise diving to a depth of 300 feet, salvage, underwater ship repair, and re-entry control operations per approved technical manuals and the U.S. Navy Diving Manual.

**Joint Diving Officer (MASL P179605)**
*****THIS IS HIGH RISK TRAINING*** **THIS IS A PHYSICALLY DEMANDING COURSE****
The course provides instruction in diving physics, diving medicine, recompression chamber operation and maintenance, Self-Contained Underwater Breathing Apparatus (SCUBA) equipment operation and maintenance, surface supplied diving (SSD) techniques, procedures, systems, and equipment, advanced diving medicine, Divers Life Support Systems (DLSS) certification procedures, air diving supervisor

procedures, hydraulic tools operation and maintenance, underwater cutting equipment operation and maintenance, underwater welding equipment operation and maintenance, basic ship construction and salvage equipment operation, salvage calculations, hydrographic survey procedures, side scan SONAR operations, remotely operated vehicle (ROV) operations, and swift water diving operations. This course trains officers to safely and effectively perform as a diver to a depth of 190 feet, dive team member, Diving Supervisor, and a Diving Officer IAW the U.S. Navy Diving Manual and approved technical manuals.

**Amphibious Reconnaissance Corpsman (MASL P175520)**

*****THIS IS HIGH RISK TRAINING*** **THIS IS A PHYSICALLY DEMANDING COURSE****

This course includes training in the familiarization with anatomy and physiology of the ears, respiratory, and circulatory systems; familiarization of diving disorders for barotraumas, vertigo, pulmonary over inflation syndromes, and decompression sickness; familiarization and performance of neurological examinations; familiarization of treatment tables; diagnosis and treatment of diving related accidents and injuries; familiarization and operation of recompression chambers; performance of medical functions as a recompression chamber inside tender; familiarization with emergency procedures as inside tender during recompression chamber operations IAW the U.S. Navy Diving Manual and approved technical manuals.

**Diving Casualty Recognition/Treatment (MASL P175002)**

The recognition and treatment of diving casualties course is designed to provide medical officers with the basic training necessary to safely and effectively perform as a medical advisor for hyperbaric treatments and to effectively evaluate divers and diver candidates prior to diving. Course prepares medical officers in identifying diving diseases and injuries, and initiating the appropriate treatment, performing appropriate diving medical examinations and performing as an inside tender for hyperbaric chamber operations.

**Diving Officer Medical Department (MASL P175503)**

*****THIS IS HIGH RISK TRAINING*** **THIS IS A PHYSICALLY DEMANDING COURSE****

The Medical Department Diving Officer course is an integral part of the Naval Undersea Medical Officer course (A-6A-2200). Training will also be provided to qualified other services and International medical officers. The course provides training necessary to: - support fleet diving operations - diagnose and treat diving related illness/injury - support hyperbaric chamber operations - evaluate fitness for diving duty - qualify in Scuba and surface-supplied air diving. Diving operations may be performed from surface or subsurface vessels, ship repair facilities or other selected sea and shore installations as necessary, dependent upon organizational mission and commander's requirements.

**Explosive Ordnance Disposal Diver (MASL P179190)**

*****THIS IS HIGH RISK TRAINING*** **THIS IS A PHYSICALLY DEMANDING COURSE****

Provides qualified non-diving personnel with the basic training necessary to safely and effectively perform as a dive team member in SCUBA/MK-16 mixed-gas UBA, and provide basic training necessary to perform underwater inspections/search operations and underwater

procedures to safely and effectively perform as a dive team member/Explosive Ordnance Disposal Diver, per approved technical manual and the U.S. Navy Diving Manual.

**Candidates will need to complete the physical requirements and medical screening required for all U.S. Navy Diving Training beginning on page V-23 through V-40.**

### *SUGGESTED STUDENT PREPARATION*

Students preparing for diver training should begin an active physical training program with adequate attention to building upper body strength and endurance. Swim practice is vital, with special attention to breast and sidestrokes.

***All students will be given the divers physical test on the second day of school. Students who are unable to pass this test will be given one opportunity to retake the test within a one-week period. If they fail the retake exam, they will most likely be disenrolled from training. Because of this, it is vital that all students come to school physically prepared.***

Knowledge of basic algebra is important in the physics and salvage phases of training. The student should familiarize himself with the following basic gas laws prior to training:

Boyle's Law  Dalton's Law  Charles' Law  Henry's Law

## MEDICAL SCREENING FOR DIVING DUTY, EOD AND BUD/S APPLICANTS

All applicants for dive school programs must be prescreened medically before they will receive orders to dive school (MILPERSMAN 1220). Forward the DIVER/BUDS/S Medical Screening Questionnaire, along with the DD Form 2808, (Report of Medical Examination) with all labs, EKG, and x-ray results printed out with normal ranges and DD Form 2807-1 (Report of Medical History), to Naval Diving and Salvage Training Center or Navy Special Warfare Center medical department for medical clearance for training. Administrative email for NDSTC Medical is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. Respective medical department will provide Diver/SEAL candidates with medical clearance letter to accompany candidate's application package to NAVPERSCOM (PERS-401D). Candidates should ensure that contact information (Phone / FAX numbers and an e-mail address) are included on packages so discrepancies can be addressed and clearance notification can be given. Packages are reviewed once a week, on Friday, and clearances are issued to the member and the SCO. Please do not contact the NDSTC Medical Department unless you have had no response within one week of package submission. The following summarizes all the required medical documentation- NO EXCEPTIONS.

- The DIVER/BUDS/S Medical Screening Questionnaire and Special Duty Medical Abstract (NAVMED 6150/2) is required as part of an initial dive physical.
- Report of Medical Exam (DD Form 2808, Oct 2005) (http://www.usarec.army.mil/downloads/mrb/AECP/Application_Process/DD_2808.pdf)
- Report of Medical History (DD Form 2807-1, Mar 2007) (http://www.sta-21.navy.mil/forms_fy03/dd2807-1.pdf)
- Copy of laboratory results with laboratory normal ranges (CBC, Urinalysis, Lipid Panel, Fasting Blood Glucose, RPR, HIV, Hepatitis C antibody, Hepatitis B surface antibody positivity or negative Hepatitis Surface Antigen, G6PD, Sickle Cell Test, Blood Type.

- Copy of actual 12-lead EKG
- Copy of Chest X-Ray report.
- Copy of pure-tone audiogram.
- Immunization or immunity documentation (see immunization requirements below)
- If necessary due to a disqualifying medical condition, then waiver recommendation letter from the country of origin. The final decision on the waiver will be made by the training center (e.g. NDSTC). For more information see section on Medical Waivers below.

**INSTRUCTIONS FOR COMPLETING THE DIVING PHYSICAL EXAM**

1. Obtain all supporting data (see below). Ensure that the original documentation remains in the record. All recommended immunizations should be completed before the physical is conducted.

2. Once the supporting documentation has been obtained, the physical exam may be completed using forms DD 2808 and DD 2807-1. Refer to the examples provided. The diving medical examination itself can be conducted by any military physician licensed and credentialed to practice medicine. But if the examining physician is not a U.S. Navy Undersea Medical Officer (UMO), then it will need to be countersigned by a UMO. 3. After the physical has been completed, the examination forms along with other required medical documentation will need to be prescreened by a UMO at the dive school as noted above under Medical Screening. A UMO is synonymous with a DMO in the U.S. Navy and is a physician who has completed the UMO Course at the Naval Undersea Medical Institute that includes the Diving Medical Officer Course at the Navy Diving and Salvage Training Center. In the past, providers received Hyperbaric Medical Officer (HMO) designation but currently HMO's do not have final signature authority for diving medical exams. Hereafter the designation UMO will be used.

4. The hyperbaric pressure test and Diver Entry Level Physical Screening Tests (PST) are not part of the physical exam process. However, it is common practice and expected that the Diving Physical exam be completed prior to administering the Entry Level Diver PT Test and the Pressure Test.

5. Note that some of the required documentation listed below are different from those for U.S. military divers or dive students due to special health considerations that apply to international students.

6. Proper supporting documentation that should be available to the examiner at the time of the physical exam.

   a. The EKG must be within three months of commencement of diver training.
   b. Chest x-rays must be within three months of commencement of diver training.
   c. Blood work must be completed within 90 days of the date on the physical. It will include CBC, UA, syphilis serology (RPR), Fasting lipid panel (Cholesterol, triglycerides, HDL, LDL), HIV, Fasting Blood Glucose, HCV, evidence of serologic immunity to Hepatitis B (e.g., Hepatitis B Surface Antibody titer) or a negative Hepatitis B Surface Antigen (HBsAg), G6PD, Sickle Cell, Blood type. HIV results must be within one year of beginning diver training. G6PD, Blood type, and Sickle Cell may be done any time prior to the physical but must be documented on the DD 2808 and in the record.

d. A Quantiferon Gold or similar tuberculosis blood test using interferon-gamma release assay indicating the student is free of tuberculosis infection.
e. A pure-tone audiogram must be completed within one year of commencement of diver training.
f. The dental examination must be within one year of commencement of diver training and should be completed by a dentist. The dentist should ensure that the student is free of conditions that could be hazardous in a hyperbaric exposure (caries, faulty prosthetics, etc.) or could result in a significant delay in training due to a need for dental treatment.
g. Immunizations or evidence of serologic immunity for:
   - Measles/Mumps/Rubella (either vaccination or evidence for serologic immunity),
   -Varicella (either vaccination or serologic evidence for immunity), -Tetanus/Dipthteria/Acellular Pertussis (e.g., DTaP),
   -Yellow Fever (if coming from or traveling through an area where YF is endemic),
   -Polio,
   -Hepatitis A (either vaccination or serologic evidence of immunity)
   -Influenza.
h. A Visual Acuity Test must be conducted within one year of commencement of diver training. This includes near, distant, refraction (if necessary), field of vision, color vision (PIP or FALANT screening), and intraocular tension if over the age of 40.

**MEDICAL WAIVERS**

1. If a diving applicant has a medical or physical condition that is disqualifying from diving duty but is not an absolute contraindication, then a formal waiver of the physical standards for diving duty must be obtained BEFORE the initiation of dive training. Examples of disqualifying conditions can be found in the U.S. Navy Manual of the Medical Department (P-117) either in Article 15-102 for diving duty and/or Article 15-105 for special operations duty (e.g., SEAL, EOD).

2. A request for a medical waiver must be initiated by the country of the student. This will consist of a letter acknowledging the medical condition and requesting that the training facility (e.g., NDSTC) approve the waiver.

3. This letter will accompany other medical documentation during the prescreening process (see section above on prescreening). The training facility will make a final decision after review. It is imperative that the waiver process is complete prior to arrival in the U.S.

| | Navy Divers and BUD/S Physical Fitness Requirements | | Diving Training | BUD/S Training |
|---|---|---|---|---|
| | Required Exercise | Number | Time | Time |
| 1. | **SWIM**: In swimming trunks, swim nonstop 500 yards utilizing the side or breast stroke. Applicant may push off pool sides during turns. | | 14 Min | 12.5 Min |
| 2. | Ten-minute rest period. | | | |
| 3. | **PUSH-UPS**: The exercise will be performed with the back straight, head up, and knees together. Begin by bending the elbow and lowering entire body until the top of the arms, shoulder and lower back are aligned and parallel to the deck. They will then push their body up, keeping their back straight, and locking their elbows. They will count each repetition aloud as they complete a push-up. | 42 | 2 Min | 2 Min |
| 4. | Ten-minute rest period. | | | |
| 5. | **SIT-UPS**: Lie flat on back with knees bent, heels close to buttocks (approximately 10 inches) with arms folded across the chest and feet held to the floor by partner. Sit up touching elbow to thighs. Each time you touch your thighs will count as one sit-up. Lie back touching shoulder blades to deck. Repeat as many times as required in the allotted time frame. You may stop and rest in the up or down position; however, if you lower your legs, fail to keep your feet to the ground, or fail to keep your arms folded across your chest, the test is ended. | 50 | 2 Min | 2 Min |
| 6. | Two-minute rest period. | | | |
| 7. | **PULL-UPS**: The exercise will be performed by grasping the pull-up bar and hanging straight down. Hands should be placed on the bar with palms away, at shoulder width. Repetitions will be counted aloud by applicants each time they pull their chins over the bar. Applicants shall not swing or bicycle their feet as they pull their chin over the bar, and they must maintain a vertical position during the exercise.* | 6 | N/A | N/A |
| 8. | Ten-minute rest period. | | | |
| 9. | **RUN 1.5 MILES**: Applicants may wear sneakers and shorts. | | 12 Min 45 Sec | 11.5 Min |
| | *Scuba candidates are not required to perform pull-ups. | | | |

# SPECIALTY TRAINING

## DIVER/EOD/BUD/S MEDICAL SCREENING QUESTIONNAIRE

| NAME/RANK: | SSN: | DOB: |
|---|---|---|
| PRESENT COMMAND: | BR OF SERVICE: | DATE: |

(CONCEALMENT OF MEDICAL HISTORY WILL BE REPORTED TO HIGHER AUTHORITIES AND MAY RESULT IN PERMANENT DISQUALIFICATION.)

| **DIVING MEDICAL QUESTIONS** | **Yes** | **No** |
|---|---|---|
| 1. Have you ever been found medically disqualified for a dive physical or any other physical at any time? | | |
| 2. Since your last physical, or in the last 18 months, have you been sick, injured, consulted a physician, used medication (including over-the-counter), or been hospitalized for any reason? | | |
| 3. Have you ever experienced any middle or inner ear dysfunction including inability to equalize middle ear pressure, inner or middle ear surgery, ringing, disequilibrium, hearing deficit? | | |
| 4. Is or has your uncorrected vision ever been worse than 20/20 in either eye? | | |
| 5. Do you have any difficulty distinguishing colors or seeing at night? | | |
| 6. Have you ever had any corneal surgery, or manipulation to correct poor vision? | | |
| 7. Since age 12, have you had asthma or wheezing at any time? | | |
| 8. Have you ever had a collapsed lung (pneumothorax), experienced pulmonary barotrauma, had a positive PPD, or taken INH in the past 6 months? | | |
| 9. Do you have any skin condition worsened by tight clothing, moisture, or sun exposure? | | |
| 10. Do you have any musculoskeletal condition that limits intense exercise, suffered any type of fracture in the last 3 months, or had any bone/joint surgery in the last 6 months? | | |
| 11. Have you ever been evaluated for, or treated for, any psychiatric problems (including depression, anxiety, personality disorder, etc.)? | | |
| 12. Have you ever had legal, professional or personal problems due to alcohol use, or been diagnosed with dependence, or had any level of treatment for abuse? | | |
| 13. Have you ever had a migraine or other severe headache? | | |
| 14. Have you ever had seizures, convulsions or sustained a head injury resulting in loss of consciousness, loss of memory, concussion, or skull fracture? | | |
| 15. Have you ever had brain surgery? | | |
| 16. Do you have any area of altered sensation or strength in your body? | | |
| 17. Have you ever suffered Decompression Sickness or Arterial Gas Embolism? | | |
| 18. Do you suffer from motion sickness or fear of enclosed spaces? | | |

| PATIENT SIGNATURE: | DATE: |
|---|---|
| | |

| DIVER/EOD/BUD/S MEDICAL SCREENING QUESTIONNAIRE (Cont'd.) | | |
|---|---|---|
| **ANY POSITIVE RESPONSES REQUIRE ELABORATION ON THIS PAGE BY A DIVING MEDICAL OFFICER** | | |
| NAME/RANK: | SSN: | DOB: |
| PRESENT COMMAND: | BR OF SERVICE: | DATE: |

ADDITIONAL DIVING MEDICAL QUESTIONS

| **DMO SCREEN** (to be filled out by DMO/UMO, HMO or qualified representative) | **Yes** | **No** |
|---|---|---|
| 1. DD Form 2808, Report of Medical Examination and DD Form 2807-1, Report of Medical History are complete, correct, for dive/jump duty and within 1 year of application? | | |
| 2. Is the physical signed/countersigned by a DMO/UMO or HMO? | | |
| 3. Every page of member's health record has been reviewed? | | |
| 4. Any disqualifying condition has a completed, approved waiver from BUMED (Med-21)? | | |
| 5. Any non-disqualifying condition that might affect dive training is thoroughly documented? | | |

**DIVING MEDICAL OFFICER COMMENTS**

| QUESTION# | COMMENT | CD/NCD? | WAIVER? |
|---|---|---|---|
| | | Yes No | Yes No |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| **DMO SIGNATURE** | **DMO STAMP** |
|---|---|
| **DMO PHONE NUMBER** | **DMO FAX NUMBER** |

RECORD SCREENING (to be filled in by medical department)

# SPECIALTY TRAINING

| G6PD results | Sickle cell results | Blood Type |
|---|---|---|
| IMMUNIZATION MUST BE COMPLETED AND CURRENT PRIOR TO TRANSFER | **Tetanus** | **Date** |
| | **Typhoid** | **Date** |
| | **Yellow Fever** | **Date** |
| | **HAV** | **Date** |
| | **Flu** | **Date** |
| ADDITIONAL DIVING MEDICAL QUESTIONS (Cont'd.) | | |
| **DMO SCREEN (to be filled out by DMO/UMO, HMO or qualified representative)** | | |

| | |
|---|---|
| **PPD given with diving medical examination.**<br>**Yes No Date** | **PPD Converter YES NO** |
| **PPD Converters must complete INH Tx prior to transfer to diver training.**<br>**PPD annual questionnaire required for converters.** | |

| | | |
|---|---|---|
| **Date of last Dive Physical (DD Form 2808 and 2807-1):** | | |
| **Dental, must be Class I or II. Last examination date:** | | |
| **Pressure Test, date completed:** | | |
| **NAVMED 6150/2, Special Duty Medical Abstract required with signature from DMO/UMO/HMO stating Physically Qualified for Diving Duty.** | **Completed** | |
| | **YES** | **NO** |

Visual Acuity**: (must correct to 20/20; if not, waiver required)**

- USN Fleet Diver/Basic Diving Officer, USA OOB, EOD**: 20/200 or better. Waiver required if greater**
- Marine Combat Diver**: 20/100 better eye, 20/200 worse eye, or better**
- Diving Medical Officer and SCUBA**: + or – 8 Diopters**
- SEAL Candidate**: 20/40 in best eye, 20/70 in worst eye (Waiverable to 20/70,20/100. Waiver must be completed.)**

| | | | |
|---|---|---|---|
| Hearing Standards**:** | **1000 Hz 30 db**<br>**2000 Hz 35 db**<br>**3000 Hz 45 db**<br>**4000 Hz 55 db** | **If greater, waiver required.** | |
| **The following labs are complete on DD Form 2808: Serology, CBC with DIFF, Lipid panel HIV, G6PD, Sickle Cell, and Blood Type?** | | **YES** | **NO** |
| **SEAL, EOD, USA OOB, and Underwater Construction Diver require Fasting Blood Sugar and Routine Urine. (Appropriate /corresponding lab chits are in the medical record.)** | | **YES** | **NO** |

# SPECIALTY TRAINING

| | | |
|---|---|---|
| **The following studies are complete on DD Form 2808: CXR, EKG, Audiogram, PPD, and Falant? (Appropriate/corresponding studies, reports are in the medical record.)** | **YES** | **NO** |

| | |
|---|---|
| **MEDICAL SCREENER NAME, RANK/RATE, AND TITLE** | **PHONE NUMBER:** |
| | **FAX NUMBER:** |
| **Command's mailing address** | |

NOTE**: THE DIVER MEDICAL SCREENING QUESTIONNAIRE AND DD Form 2808 and 2807-1 MUST BE COMPLETLEY FILLED OUT AND EMAILED TO** NAVY DIVING AND SALVAGE TRAINING CENTER (NAVDIVSALVTRACEN), MEDICAL DEPARTMENT, PANAMA CITY, FL **PRIOR TO APPLICATION TO NAVY PERSONNEL COMMAND (NAVPERSCOM) (PERS-401D OR PERS-407CK). ANY WAIVERS MUST HAVE WRITTEN APPROVAL FROM HOST COMMAND**

TELEPHONE:
**DSN 436-5215 COMM (850) 235-5215**

MEDICAL EMAIL:
**NDSTC_PNMA_MEDICAL-ADMIN@navy.mil**

STUDENT SUPPORT OFFICE FAX:
**DSN 436-5837 COMM (850) 235-5242**

NOTE**: FOR** SEAL CANDIDATES **THE MEDICAL SCREENING QUESTIONNAIRE AND DD Form 2808 and 2807-1 MUST BE COMPLETELY FILLED OUT AND FAXED TO** NAVY SPECIAL WARFARE CENTER, BUD/S MEDICAL DEPARTMENT **PRIOR TO APPLICATION TO NAVPERSCOM (PERS-401D). ANY WAIVERS MUST HAVE WRITTEN APPROVAL BY BUMED (MED-21) AND A COPY FAXED TO BUD/S MEDICAL DEPARTMENT.**

# SPECIALTY TRAINING

TELEPHONE:
**DSN 577-0777 COMM (619) 437-0777**

MEDICAL FAX:
**DSN 577-5248 COMM (619) 437-5248**

**PLACE ORIGINAL DIVER MEDICAL SCREENING QUESTIONNAIRE, DD Form 2808 and 2807-1, AND ANY APPROVED WAIVERS IN MEDICAL RECORD.**

**NAVDIVSALVTRACEN HOME PAGE:**
https://www.netc.navy.mil/centers/ceneoddive/ndstc/

**NAVY SPECIAL WARFARE CENTER BUD/S HOME PAGE:**
http://www.sealswcc.com/seal-default.aspx
http://www.sealswcc.com/navy-seals-naval-special-warfare-prep-school.aspx
http://www.sealswcc.com/navy-seals-buds-prep-docs.aspx

DIVING STANDARDS:
**NAVMED P-117, Manual of the Medical Department, chapter 15, article 15-102/15-105, and section III**

**MEDICAL WAIVER:**
NAVMED P-117, article's 15-31 and 15-102/15-105 (If applying for EOD/NSW)

BUMED (MED-21) TELEPHONE: **COMM (202)762-4342**

**REPORT OF MEDICAL EXAMINATION**

1. DATE OF EXAMINATION *(YYYYMMDD)*

2. SOCIAL SECURITY NUMBER

**PRIVACY ACT STATEMENT**

**AUTHORITY:** 10 USC 504, 505, 507, 532, 978, 1201, 1202, and 4346; and E.O. 9397.
**PRINCIPAL PURPOSE(S):** To obtain medical data for determination of medical fitness for enlistment, induction, appointment and retention for applicants and members of the Armed Forces. The information will also be used for medical boards and separation of Service members from the Armed Forces.
**ROUTINE USE(S):** None.
**DISCLOSURE:** Voluntary; however, failure by an applicant to provide the information may result in delay or possible rejection of the individual's application to enter the Armed Forces. For an Armed Forces member, failure to provide the information may result in the individual being placed in a non-deployable status.

3. LAST NAME - FIRST NAME - MIDDLE NAME (SUFFIX)

4. HOME ADDRESS *(Street, Apartment Number, City, State and ZIP Code)*

5. HOME TELEPHONE NUMBER *(Include Area Code)*

6. GRADE

7. DATE OF BIRTH *(YYYYMMDD)*

8. AGE

9. SEX: ☐ Female ☐ Male

10.a. RACIAL CATEGORY *(X one or more)*: ☐ American Indian or Alaska Native ☐ Asian ☐ Black or African American ☐ White ☐ Native Hawaiian or Other Pacific Islander

b. ETHNIC CATEGORY: ☐ Hispanic/Latino ☐ Not Hispanic/Latino

11. TOTAL YEARS GOVERNMENT SERVICE: a. MILITARY b. CIVILIAN

12. AGENCY *(Non-Service Members Only)*

13. ORGANIZATION UNIT AND UIC/CODE

14.a. RATING OR SPECIALTY *(Aviators Only)*

b. TOTAL FLYING TIME

c. LAST SIX MONTHS

15.a. SERVICE: ☐ Army ☐ Navy ☐ Marine Corps ☐ Air Force ☐ Coast Guard

b. COMPONENT: ☐ Active Duty ☐ Reserve ☐ National Guard

c. PURPOSE OF EXAMINATION: ☐ Enlistment ☐ Commission ☐ Retention ☐ Separation ☐ Medical Board ☐ Retirement ☐ U.S. Service Academy ☐ ROTC Scholarship Program ☐ Other

16. NAME OF EXAMINING LOCATION, AND ADDRESS *(Include ZIP Code)*

**CLINICAL EVALUATION** *(Check each item in appropriate column. Enter "NE" if not evaluated.)*

| | Normal | Abnorm | NE |
|---|---|---|---|
| 17. Head, face, neck, and scalp | | | |
| 18. Nose | | | |
| 19. Sinuses | | | |
| 20. Mouth and throat | | | |
| 21. Ears - General *(Int. and ext. canals/Auditory acuity under item 71)* | | | |
| 22. Drums *(Perforation)* | | | |
| 23. Eyes - General *(Visual acuity and refraction under items 61 - 63)* | | | |
| 24. Ophthalmoscopic | | | |
| 25. Pupils *(Equality and reaction)* | | | |
| 26. Ocular motility *(Associated parallel movements, nystagmus)* | | | |
| 27. Heart *(Thrust, size, rhythm, sounds)* | | | |
| 28. Lungs and chest *(Include breasts)* | | | |
| 29. Vascular system *(Varicositios, etc.)* | | | |
| 30. Anus and rectum *(Hemorrhoids, Fistulae) (Prostate if indicated)* | | | |
| 31. Abdomen and viscera *(Include hernia)* | | | |
| 32. External genitalia *(Genitourinary)* | | | |
| 33. Upper extremities | | | |
| 34. Lower extremities *(Except feet)* | | | |
| 35. Feet *(See Item 35 Continued)* | | | |
| 36. Spine, other musculoskeletal | | | |
| 37. Identifying body marks, scars, tattoos | | | |
| 38. Skin, lymphatics | | | |
| 39. Neurologic | | | |
| 40. Psychiatric *(Specify any personality deviation)* | | | |
| 41. Pelvic *(Females only)* | | | |
| 42. Endocrine | | | |

44. NOTES: *(Describe every abnormality in detail. Enter pertinent item number before each comment. Continue in item 73 and use additional sheets if necessary.)*

43. DENTAL DEFECTS AND DISEASE *(Please explain. Use dental form if completed by dentist. If dental examination not done by dental officer, explain in Item 44.)*
☐ Acceptable
☐ Not Acceptable Class _____

35. FEET *(Continued) (Circle category)*
Normal Arch, Pes Cavus, Pes Planus
Mild, Moderate, Severe
Asymptomatic, Symptomatic

DD FORM 2808, OCT 2005

DoD exception to SF 88 approved by ICMR, August 3, 2000.
PREVIOUS EDITION IS OBSOLETE.

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Page 1 of 3 Pages
Adobe Professional 7.0

| LAST NAME - FIRST NAME - MIDDLE NAME (SUFFIX) | SOCIAL SECURITY NUMBER |
|---|---|
| | |

**LABORATORY FINDINGS**

| 45. URINALYSIS | a. Albumin<br>b. Sugar | 46. URINE HCG | 47. H/H | 48. BLOOD TYPE |
|---|---|---|---|---|

| TESTS | RESULTS | HIV SPECIMEN ID LABEL | DRUG TEST SPECIMEN ID LABEL |
|---|---|---|---|
| 49. HIV | | | |
| 50. DRUGS | | | |
| 51. ALCOHOL | | | |
| 52. OTHER | | | |
| a. PAP SMEAR | | | |
| b. | | | |
| c. | | | |

**MEASUREMENTS AND OTHER FINDINGS**

| 53. HEIGHT | 54. WEIGHT lbs. | 55. MIN WGT - MAX WGT | MAX BF % | 56. TEMPERATURE | 57. PULSE |
|---|---|---|---|---|---|

| 58. BLOOD PRESSURE | | | 59. RED/GREEN *(Army Only)* | 60. OTHER VISION TEST |
|---|---|---|---|---|
| a. 1ST | b. 2ND | c. 3RD | | |
| SYS. | SYS. | SYS. | | |
| DIAS. | DIAS. | DIAS. | | |

| 61. DISTANT VISION | 62. REFRACTION BY AUTOREFRACTION OR MANIFEST | 63. NEAR VISION |
|---|---|---|
| Right 20/ Corr. to 20/ | By S. CX | Right 20/ Corr. to 20/ by |
| Left 20/ Corr. to 20/ | By S. CX | Left 20/ Corr. to 20/ by |

**64. HETEROPHORIA** *(Specify distance)*

ES° EX° R.H. L.H. Prism div. Prism Conv CT NPR PD

| 65. ACCOMMODATION | | 66. COLOR VISION *(Test used and result)* | 67. DEPTH PERCEPTION *(Test used and score)* AFVT | |
|---|---|---|---|---|
| Right | Left | PIP /14 | Uncorrected | Corrected |

| 68. FIELD OF VISION | 69. NIGHT VISION *(Test used and score)* | 70. INTRAOCULAR TENSION | |
|---|---|---|---|
| | | O.D. | O.S. |

**71a. AUDIOMETER** Unit Serial Number

Date Calibrated *(YYYYMMDD)*

| HZ | 500 | 1000 | 2000 | 3000 | 4000 | 6000 |
|---|---|---|---|---|---|---|
| Right | | | | | | |
| Left | | | | | | |

**71b.** Unit Serial Number

Date Calibrated *(YYYYMMDD)*

| HZ | 500 | 1000 | 2000 | 3000 | 4000 | 6000 |
|---|---|---|---|---|---|---|
| Right | | | | | | |
| Left | | | | | | |

**72a. READING ALOUD TEST** ☐ SAT ☐ UNSAT

**72b. VALSALVA** ☐ SAT ☐ UNSAT

**73. NOTES** *(Continued)* **AND SIGNIFICANT OR INTERVAL HISTORY** *(Use additional sheets if necessary.)*

DD FORM 2808, OCT 2005 Reset Page 2 of 3 Pages

| LAST NAME - FIRST NAME - MIDDLE NAME (SUFFIX) | SOCIAL SECURITY NUMBER |
|---|---|
| | |

| 74.a. EXAMINEE/APPLICANT *(check one)* | 75. I have been advised of my disqualifying condition. | |
|---|---|---|
| ☐ IS QUALIFIED FOR SERVICE<br>☐ IS NOT QUALIFIED FOR SERVICE | a. SIGNATURE OF EXAMINEE | b. DATE *(YYYYMMDD)* |

b. PHYSICAL PROFILE

| P | U | L | H | E | S | X | PROFILER INITIALS | DATE *(YYYYMMDD)* |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

76. SIGNIFICANT OR DISQUALIFYING DEFECTS

| ITEM NO. | MEDICAL CONDITION/DIAGNOSIS | ICD CODE | PROFILE SERIAL | RBJ DATE *(YYYYMMDD)* | QUALIFIED | DISQUALIFIED | EXAMINER INITIALS | WAIVER RECEIVED | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SERVICE | DATE *(YYYYMMDD)* |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

77. SUMMARY OF DEFECTS AND DIAGNOSES *(List diagnoses with item numbers) (Use additional sheets if necessary.)*

78. RECOMMENDATIONS - FURTHER SPECIALIST EXAMINATIONS INDICATED *(Specify) (Use additional sheets if necessary.)*

79. MEPS WORKLOAD *(For MEPS use only)*

| WKID | ST | DATE *(YYYYMMDD)* | INITIAL | WKID | ST | DATE *(YYYYMMDD)* | INITIAL |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| 80. MEDICAL INSPECTION DATE | HT | WT | %BF | MAX WT | HCG | QUAL | DISQ | PHYSICIAN'S SIGNATURE |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | |
|---|---|
| 81.a. TYPED OR PRINTED NAME OF PHYSICIAN OR EXAMINER | b. SIGNATURE |
| 82.a. TYPED OR PRINTED NAME OF PHYSICIAN OR EXAMINER | b. SIGNATURE |
| 83.a. TYPED OR PRINTED NAME OF DENTIST OR PHYSICIAN *(Indicate which)* | b. SIGNATURE |
| 84.a. TYPED OR PRINTED NAME OF REVIEWING OFFICER/APPROVING AUTHORITY | b. SIGNATURE |

85. This examination has been administratively reviewed for completeness and accuracy.

| a. SIGNATURE | b. GRADE | c. DATE *(YYYYMMDD)* |
|---|---|---|
| | | |

| 86. WAIVER GRANTED *(If yes, date and by whom)* | 87. NUMBER OF ATTACHED SHEETS |
|---|---|
| ☐ YES<br>☐ NO | |

DD FORM 2808, OCT 2005

Reset

Page 3 of 3 Pages

**Instructions for completing DD Form 2808**

Block 1 Date of examination. This should be the date it was signed.
2 - Social Security number. 123-45-6789
3 - Last name, first name, middle initial. 4 - Home address. 5 - Home phone number.
6 - Grade. Example: BM1/E-6 or LT/O-3
7 - Date of Birth. 19800916
8 - Age. 9 - Sex. 10 - Racial / Ethnic category.
11 - Total years military service.
12 - Agency. Left blank.
13 - Complete mailing address and UIC of the member's command.
14 - Rating or Specialty. a, b, and c. Left blank.
15a - Marked as appropriate. 15b - Marked as appropriate.
15c - Marked "Other" and add "Diving Duty" below it.
16 - Complete mailing address for medical facility in which the exam was performed.
17 through 42 - Mark as appropriate to exam. "Abnormal" marks must be commented on in block 44.
22 - Comment on TM's and valsalva. *Example:* TM's intact with normal bilateral valsalva.
37 - Will be checked abnormal for tattoos, circumcision, and scars, both surgical and traumatic. A brief description of any tattoos is required.
39 - A complete neurological exam is required for diving physicals to document a baseline.
41 - Females only
43 - Should be filled out by a Dentist or transcribed by a Medical Officer.
44 - Neurological exam (stick man, CN nerves, mental, motor, coordination, strength)
45 - Specific gravity - *Example*: 1.020 a. Albumin - *Example*: Negative b. Sugar - *Example*: negative
46 - Leave blank. 47 - Mandatory field. Enter results.
48 - Blood type and RH factor. *Example:* O Positive.
49 - HIV draw date and results. 50 through 51 - Leave blank.
52 - Date and results of last test. 53 - Height without shoes in inches.
54 - Weight in pounds. 55 - Min/max weight allowed for height. Max allowed BF%.
56 - Temperature in Farenheight. 57 - Sitting pulse.
58a - Sitting blood pressure. HTN is Considered Disqualifying.
59 through 60 - Leave blank. 61 - results of visual acuity testing
62 - transcribed from refraction results if patient wears corrective lenses.
63 - transcribed from ophthalmology exam if indicated.
64 through 65 - Leave blank.
66 - PIP or FALANT testing results. Marked "Pass" or "Fail".
67 - Leave blank. 68 - Marked "Full OU". 69 - Leave blank.
70 - Only completed if candidate is over the age of 40: Both eyes.
71 - Transcribed from current audiogram. Ensure that the make, model, serial number of the instrument, calibration date, and date of exam is included.
72 - Leave blank.
73 - Place additional data here. CBC results, Lipid Panel, Chest X-ray, EKG, G6PD, Sickle Cell, PPD and any other information that is pertinent to the exam.
74 - IMPORTANT. If not done correctly an addendum will need to be done.
75 - If patient is found not physically qualified "NPQ", he/she must sign and date the form upon being informed.
76 - Filled out if a disqualifying condition is found.

77 - Any abnormal item needs to be listed here with the statement NCD (not considered disqualifying) or, CD (considered disqualifying). *Example*: Low RBC's - CD
78 - Fill out as appropriate or mark "None". *Example*: Monthly TSE
79 through 80 - Leave blank.
81 - Must be filled out by the physician conducting the exam.
82 - If another physician assisting in the exam not listed in block 81, will fill out this block.
83 - Filled out by the examining dentist. May be transcribed by the physician, "dentist" or "physician" must be circled.
84 - Filled out by the reviewing DMO/UMO.
85 - Filled out by the person preparing the DD 2808.
86 - Waiver information: Waivers are requested by the patient's command, not NDSTC.
87 - Leave blank.

**REPORT OF MEDICAL HISTORY**

**(This information is for official and medically confidential use only and will not be released to unauthorized persons.)**

OMB No. 0704-0413
OMB approval expires Aug 31, 2014

The public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Washington Headquarters Services, Executive Services Directorate, Information Management Division, 1155 Defense Pentagon, Washington, DC 20301-1155 (0704-0413). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

**PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION. RETURN COMPLETED FORM AS INDICATED ON PAGE 2.**

**PRIVACY ACT STATEMENT**

**AUTHORITY:** 10 U.S.C. 136, DoD Instruction 6130.03, and E.O. 9397, as amended (SSN).
**PRINCIPAL PURPOSE(S):** The primary collection of this information is from individuals seeking to join the Armed Forces. The information collected on this form is used to assist DoD physicians in making determinations as to acceptability of applicants for military service and verifies disqualifying medical condition(s) noted on the prescreening form (DD 2807-2). An additional collection of information using this form occurs when a Medical Evaluation Board is convened to determine the medical fitness of a current member and if separation is warranted. Completed forms are covered by recruiting, medical evaluation board, and official military personnel file SORNs maintained by each of the Services.
**ROUTINE USE(S):** The Blanket Routine Uses found at http://privacy.defense.gov/blanket_uses.shtml apply to this collection.
**DISCLOSURE:** Voluntary. However, failure by an applicant to provide the information may result in delay or possible rejection of the individual's application to enter the Armed Forces. An applicant's SSN is used during the recruitment process to keep all records together and when requesting civilian medical records. For an Armed Forces member, failure to provide the information may result in the individual being placed in a non-deployable status. The SSN of an Armed Forces member is to ensure the collected information is filed in the proper individual's record.

**WARNING:** The information you have given constitutes an official statement. Federal law provides severe penalties (up to 5 years confinement or a $10,000 fine or both), to anyone making a false statement. If you are selected for enlistment, commission, or entrance into a commissioning program based on a false statement, you can be tried by military courts-martial or meet an administrative board for discharge and could receive a less than honorable discharge that would affect your future.

| | |
|---|---|
| 1. LAST NAME, FIRST NAME, MIDDLE NAME (SUFFIX) | 2. SOCIAL SECURITY NUMBER 3. TODAY'S DATE (YYYYMMDD) |
| 4a. HOME ADDRESS (Street, Apartment No., City, State, and ZIP Code) | 5. EXAMINING LOCATION AND ADDRESS (Include ZIP Code) |
| b. HOME TELEPHONE (Include Area Code) | |

**X ALL APPLICABLE BOXES:**

| 6a. SERVICE | b. COMPONENT | c. PURPOSE OF EXAMINATION | |
|---|---|---|---|
| Army / Coast Guard | Regular | Enlistment | Medical Board / Other (Specify) |
| Navy | Reserve | Commission | Retirement |
| Marine Corps | National Guard | Retention | U.S. Service Academy |
| Air Force | | Separation | ROTC Scholarship Program |

7.a. POSITION (Title, Grade, Component)

b. USUAL OCCUPATION

8. CURRENT MEDICATIONS (Prescription and Over-the-counter)

9. ALLERGIES (Including insect bites/stings, foods, medicine or other substances)

**Mark each item "YES" or "NO". Every item marked "YES" must be fully explained in Item 29 on Page 2.**

| HAVE YOU EVER HAD OR DO YOU NOW HAVE: | YES | NO |
|---|---|---|
| 10.a. Tuberculosis | ○ | ○ |
| b. Lived with someone who had tuberculosis | ○ | ○ |
| c. Coughed up blood | ○ | ○ |
| d. Asthma or any breathing problems related to exercise, weather, pollens, etc. | ○ | ○ |
| e. Shortness of breath | ○ | ○ |
| f. Bronchitis | ○ | ○ |
| g. Wheezing or problems with wheezing | ○ | ○ |
| h. Been prescribed or used an inhaler | ○ | ○ |
| i. A chronic cough or cough at night | ○ | ○ |
| j. Sinusitis | ○ | ○ |
| k. Hay fever | ○ | ○ |
| l. Chronic or frequent colds | ○ | ○ |
| 11.a. Severe tooth or gum trouble | ○ | ○ |
| b. Thyroid trouble or goiter | ○ | ○ |
| c. Eye disorder or trouble | ○ | ○ |
| d. Ear, nose, or throat trouble | ○ | ○ |
| e. Loss of vision in either eye | ○ | ○ |
| f. Worn contact lenses or glasses | ○ | ○ |
| g. A hearing loss or wear a hearing aid | ○ | ○ |
| h. Surgery to correct vision (RK, PRK, LASIK, etc.) | ○ | ○ |
| 12.a. Painful shoulder, elbow or wrist (e.g. pain, dislocation, etc.) | ○ | ○ |
| b. Arthritis, rheumatism, or bursitis | ○ | ○ |
| c. Recurrent back pain or any back problem | ○ | ○ |
| d. Numbness or tingling | ○ | ○ |
| e. Loss of finger or toe | ○ | ○ |
| 12. (Continued) | | |
| f. Foot trouble (e.g., pain, corns, bunions, etc.) | ○ | ○ |
| g. Impaired use of arms, legs, hands, or feet | ○ | ○ |
| h. Swollen or painful joint(s) | ○ | ○ |
| i. Knee trouble (e.g., locking, giving out, torn or dislocated cartilage, etc.) | ○ | ○ |
| j. Any loss of bone or surgery including arthroscopy or the use of a scope to any bone or joint | ○ | ○ |
| k. Any need to use corrective devices such as prosthetic devices, knee braces, back supports, foot orthotics, etc. | ○ | ○ |
| l. Bone, joint, or other deformity | ○ | ○ |
| m. Plate(s), screw(s), rod(s) or pin(s) in any bone | ○ | ○ |
| n. Broken bone(s) (cracked or fractured) | ○ | ○ |
| 13.a. Frequent indigestion or heartburn | ○ | ○ |
| b. Stomach, liver, intestinal trouble, or ulcer | ○ | ○ |
| c. Gall bladder trouble or gallstones | ○ | ○ |
| d. Jaundice or hepatitis (liver disease) | ○ | ○ |
| e. Rupture/hernia | ○ | ○ |
| f. Rectal disease, hemorrhoids or blood from the rectum | ○ | ○ |
| g. Skin diseases (e.g. acne, eczema, psoriasis, etc.) | ○ | ○ |
| h. Frequent or painful urination | ○ | ○ |
| i. High or low blood sugar | ○ | ○ |
| j. Kidney stone or blood in urine | ○ | ○ |
| k. Sugar or protein in urine | ○ | ○ |
| l. Sexually transmitted disease (genital herpes, gonorrhea, chlamydia, genital warts, syphilis, etc.) | ○ | ○ |
| 14.a. Adverse reaction to serum, food, insect stings or medicine | ○ | ○ |
| b. Recent unexplained gain or loss of weight | ○ | ○ |
| c. Currently in good health (If no, explain in Item 29 on Page 2.) | ○ | ○ |
| d. Tumor, growth, cyst, or cancer | ○ | ○ |

| LAST NAME, FIRST NAME, MIDDLE NAME (SUFFIX) | SOCIAL SECURITY NUMBER |
|---|---|
| | |

**Mark each item "YES" or "NO". Every item marked "YES" must be fully explained in Item 29 below.**

| HAVE YOU EVER HAD OR DO YOU NOW HAVE: | YES | NO |
|---|---|---|
| 15.a. Dizziness or fainting spells | ○ | ○ |
| b. Frequent or severe headache | ○ | ○ |
| c. A head injury, memory loss or amnesia | ○ | ○ |
| d. Paralysis | ○ | ○ |
| e. Seizures, convulsions, epilepsy or fits | ○ | ○ |
| f. Car, train, sea, or air sickness | ○ | ○ |
| g. A period of unconsciousness or concussion | ○ | ○ |
| h. Meningitis, encephalitis, or other neurological problems | ○ | ○ |
| 16.a. Rheumatic fever | ○ | ○ |
| b. Prolonged bleeding (as after an injury or tooth extraction, etc.) | ○ | ○ |
| c. Pain or pressure in the chest | ○ | ○ |
| d. Palpitation, pounding heart or abnormal heartbeat | ○ | ○ |
| e. Heart trouble or murmur | ○ | ○ |
| f. High or low blood pressure | ○ | ○ |
| 17.a. Nervous trouble of any sort (anxiety or panic attacks) | ○ | ○ |
| b. Habitual stammering or stuttering | ○ | ○ |
| c. Loss of memory or amnesia, or neurological symptoms | ○ | ○ |
| d. Frequent trouble sleeping | ○ | ○ |
| e. Received counseling of any type | ○ | ○ |
| f. Depression or excessive worry | ○ | ○ |
| g. Been evaluated or treated for a mental condition | ○ | ○ |
| h. Attempted suicide | ○ | ○ |
| i. Used illegal drugs or abused prescription drugs | ○ | ○ |
| 18. FEMALES ONLY. Have you ever had or do you now have: | | |
| a. Treatment for a gynecological (female) disorder | ○ | ○ |
| b. A change of menstrual pattern | ○ | ○ |
| c. Any abnormal PAP smears | ○ | ○ |
| d. First day of last menstrual period (YYYYMMDD) | | |
| e. Date of last PAP smear (YYYYMMDD) | | |

| | YES | NO |
|---|---|---|
| 19. Have you been refused employment or been unable to hold a job or stay in school because of: | | |
| a. Sensitivity to chemicals, dust, sunlight, etc. | ○ | ○ |
| b. Inability to perform certain motions | ○ | ○ |
| c. Inability to stand, sit, kneel, lie down, etc. | ○ | ○ |
| d. Other medical reasons (If yes, give reasons.) | ○ | ○ |
| 20. Have you ever been treated in an Emergency Room? (If yes, for what?) | ○ | ○ |
| 21. Have you ever been a patient in any type of hospital? (If yes, specify when, where, why, and name of doctor and complete address of hospital.) | ○ | ○ |
| 22. Have you ever had, or have you been advised to have any operations or surgery? (If yes, describe and give age at which occurred.) | ○ | ○ |
| 23. Have you ever had any illness or injury other than those already noted? (If yes, specify when, where, and give details.) | ○ | ○ |
| 24. Have you consulted or been treated by clinics, physicians, healers, or other practitioners within the past 5 years for other than minor illnesses? (If yes, give complete address of doctor, hospital, clinic, and details.) | ○ | ○ |
| 25. Have you ever been rejected for military service for any reason? (If yes, give date and reason for rejection.) | ○ | ○ |
| 26. Have you ever been discharged from military service for any reason? (If yes, give date, reason, and type of discharge: whether honorable, other than honorable, for unfitness or unsuitability.) | ○ | ○ |
| 27. Have you ever received, is there pending, or have you ever applied for pension or compensation for any disability or injury? (If yes, specify what kind, granted by whom, and what amount, when, why.) | ○ | ○ |
| 28. Have you ever been denied life insurance? | ○ | ○ |

29. EXPLANATION OF "YES" ANSWER(S) (Describe answer(s), give date(s) of problem, name of doctor(s) and/or hospital(s), treatment given and current medical status.)

NOTE: HAND TO THE DOCTOR OR NURSE, OR IF MAILED MARK ENVELOPE "TO BE OPENED BY MEDICAL PERSONNEL ONLY."

DD FORM 2807-1, AUG 2011 Page 2 of 3 Pages

| LAST NAME, FIRST NAME, MIDDLE NAME (SUFFIX) | SOCIAL SECURITY NUMBER |
|---|---|

**30. EXAMINER'S SUMMARY AND ELABORATION OF ALL PERTINENT DATA** *(Physician/practitioner shall comment on all positive answers in questions 10 - 29. Physician/practitioner may develop by interview any additional medical history deemed important, and record any significant findings here.)*

a. COMMENTS

| b. TYPED OR PRINTED NAME OF EXAMINER (Last, First, Middle Initial) | c. SIGNATURE | d. DATE SIGNED (YYYYMMDD) |
|---|---|---|
| | | |

DD FORM 2807-1, AUG 2011

Page 3 of 3 Pages

**Instructions for completing DD Form 2807-1**

Block 1 - Last name, first name, middle initial
2 - Social Security number. 123-45-6789
3 - Date that the patient fills out this form.
4 - Home address, home phone number.
5 - Complete mailing address for medical facility conducting the exam.
6a - Marked as appropriate.
6b - Marked as appropriate.
6c - Marked “Other” and add “Diving Duty” below it.
7 - Grade. Example: BM1/E-6 or LT/O-3
8 - List all current medications.
9 - List any/all allergies.
10 through 28 - Marked as appropriate by the patient.
29 - Any “yes” answers in previous blocks require an explanation by the examinee. Surgeries should include the date, age, facility where the surgery was performed, name of the procedure, name of doctor performing the procedure (if possible). See enclosure
30a - All abnormalities are identified and any block marked “yes” must be addressed by the physician and marked “NCD” (Not Considered Disqualifying) or “CD” (Considered Disqualifying).
30b - Typed or printed name of physician.
30c – Signature of physician.
30d –Date signed.

## BASIC UNDERWATER DEMOLITION/SEAL (BUDS/S)

BUD/S is a 21 week SEAL training course held at the Naval Special Warfare Training Center in Coronado, CA. You'll start with three weeks Indoctrination and Pre-Training as part of a Navy SEAL Class, and then go through the Three Phases of BUD/S. First Phase is the toughest. It consists of 7 weeks of Basic Conditioning that peaks with a grueling segment called "Hell Week" at the midway point, where you'll be tested to your limits.

Hell Week is a test of physical endurance, mental tenacity and true teamwork where 2/3 or more of your class may call it quits or "ring the bell". Physical discomfort and pain will cause many to decide it isn't worth it. Sheer fatigue and sleep deprivation will cause every candidate to question his core values, motivations, limits, and everything he's made of and stands for. Those who grit it out to the finish will hear their Instructors yell the longed-for words, "Hell Week is secured!"

These determined men will proceed on to Second Phase (7 weeks of Diving) and Third Phase (7 weeks of Land Warfare). Most men who have succeeded in Hell Week make it through these phases. If not, it's usually due to academic issues (e.g., dive physics) in the Dive Phase, or weapons and demolitions safety/competency issues in the Land Warfare (weapons and tactics) Phase.

SEAL training ends with the formal BUD/S Class Graduation. Here the proud few in their dress Navy uniforms are recognized for their achievement in the presence of family and senior SEAL leaders. The Commanding Officers and senior enlisted advisors of the Naval Special Warfare Groups and SEAL Teams attend. The BUD/s graduates, as their newest teammates, will be reminded of the special group they have entered, to be worthy of the sacrifices of the courageous Frogmen who came before them, and the great honor it is to serve as a U.S. Navy SEAL.

**The most common injuries at BUD/S are lower extremity overuse injuries. To help prevent these injuries, a lower extremity strengthening and running program focused on building mileage to at least 30 miles per week at an 8 minute/ mile pace or better is recommended. Candidates should also practice running in boots and in soft sand, as well as develop excellent swimming skills and a good stretch routine. Candidates will need to complete the physical requirements and medical screening required for all U.S. Navy Diving Training beginning on page V-23 through V-40.**

Naval Special Warfare SEAL training challenges the rigorous physiological demands imposed by the maritime environment. The ability to swim and withstand fatigue is the major the factor for successful completion of the training. This 21 week course of instruction in Coronado, CA will focus on physical conditioning, small boat handling, diving physics, basic diving techniques, land warfare, weapons, demolitions, communications, and reconnaissance.

# SPECIALTY TRAINING

**First Phase:**
First Phase Trains, develops, and assesses SEAL candidates in physical conditioning, water competency, teamwork, and mental tenacity. This phase is 7 weeks long. Physical conditioning with running, swimming, and calisthenics grows harder and harder as the weeks progress. You will participate in weekly four mile timed runs in boots, timed obstacle courses, swim distances up to two miles wearing fins in the ocean, and learn small boat seamanship.

The first three weeks of First Phase will prepare you for the fourth week, better known as "Hell Week." During this week, you will participate in five and one-half days of continuous training, with a maximum of four hours sleep total. This week is designed as the ultimate test of one's physical and mental motivation while in First Phase. Hell Week proves to those who make it that the human body can do ten times the amount of work the average man thinks possible. During Hell Week, you will learn the value of cool headedness, perseverance, and above all, TEAMWORK. The remaining 3 weeks are devoted to teaching various methods of over the beach operations and maritime skills.

**Second Phase (Diving):**
Diving Phase Trains, develops, and qualifies SEAL candidates as competent basic combat swimmers. This phase is 7 weeks long. During this period, physical training continues and becomes even more intensive. Second Phase concentrates on combat SCUBA. You will learn two types of SCUBA: open circuit (compressed air) and closed circuit (100% oxygen). Emphasis is placed on long distance underwater dives with the goal of training students to become basic combat divers, using swimming and diving techniques as a means of transportation from their launch point to their combat objective. This is a skill that separates SEALs from all other Special Operations forces.

**Third Phase (Land Warfare):**
Third Phase trains, develops, and qualifies SEAL candidates in basic weapons, demolition, and small unit tactics. This phase of training is 7 weeks in length. Physical training continues to become more strenuous as the run distance increases and the minimum passing times are lowered for the runs, swims, and obstacle course. Third Phase concentrates on teaching land navigation, small-unit tactics, patrolling techniques, rappelling, marksmanship, and military explosives. The final three and a half weeks of Third Phase are spent on San Clemente Island, where students apply all the techniques they have acquired during training.

## Aviation Rescue Swimmer School
**(https://www.netc.navy.mil/nascweb/aeats/arss/arss.htm)**

Rescue Swimmer School is designed to provide personnel with the knowledge and skills necessary to initially qualify as Search and Rescue Swimmers. **Rescue swimmer training courses are designated as High Risk Training.** Therefore, enrollment is voluntary and may be terminated by the student at any time. International students must have **"Hazardous Duty"** indicated on the Invitational Travel Order (ITO). An 80 ECL is required in addition to enrollment in the Specialized English Training (D177008) at the Defense Language Institute, English Language Center, Lackland, AFB.

All students will need Medical, Dental, Service, and Pay Records, good running shoes and plain white socks and one appropriate service dress and three working uniforms.

All students must be designated a 2nd Class Swimmer. International students must pass the 2nd Class Swimmer Test, administered under MASL P129490 prior to enrollment in the Rescue Swimmer Course.

All students must then pass the Rescue Swimmer School Physical Readiness In-Test which consists of the following, in this order:

2 Pull-ups - 2 minutes maximum
50 Sit-ups - 2 minutes maximum
35 Push-ups - 2 minutes maximum
1.5 mile run - 12 minutes maximum
400 meter swim in gear - 11 minutes maximum

**PHYSICAL SWIM/INDOC (MASL P129492)**
This course provides physical and swimming training to international military to prepare them for follow on training in courses that require students to meet specific physical and swimming qualifications.

**SURFACE RESCUE SWIMMER (MASL P129491)**
This course provides personnel with initial training and hands-on experience in First Aid, CPR, Rescue Equipment, Waterborne Lifesaving Techniques, Day/Night Water Entries, Parachute Disentanglement, Search and Rescue Tactics, Inanimate Object Recovery, Night and Multiple Rescue Situations, and Motor Whaleboat/Rescue boat operations. Students will also undergo rigorous physical training which consists of calisthenics, timed swims (up to 2000 meters), and running 25-30 minute group paced runs at a 8.5-10 minute per mile pace.

**AVIATION RESCUE SWIMMER SCHOOL (MASL P129154)**

Course provides enlisted personnel with knowledge and skills necessary to rescue waterborne survivors and to initially qualify as Aviation Rescue Swimmers. The mission of the Naval Aviation Rescue Swimmer is to execute search and rescue (SAR) operations from rotary wing aircraft. The rescue swimmer shall be physically conditioned to routinely perform demanding rescues in hostile environments. The rescue swimmer shall be in proper physical condition, be proficient with rescue equipment and have the basic first aid, CPR, Resuscitation knowledge and skills necessary to recover and assist personnel during SAR operations. The rescue swimmer must be able to function in physiologically demanding environments at sea or on land during day or night operations. Note: This course requires MASL P117024, 4 week Aviation Aircrew Candidate School as a prerequisite.

# SPECIALTY TRAINING

The following table contains the physical requirements for each level of physical readiness required by the Rescue Swimmer School. Candidates must successfully complete all three physical requirement levels during the course of training.

| Calisthenics Set | Level I (Weeks 1 & 2) | Level II (Weeks 2 & 3) | Level III (Week 3 and 4) |
|---|---|---|---|
| Pre-Calisthenics Stretch Set | | | |
| Pull Ups | 5 | 6 | 8 |
| 4 - Count Lunges | 15 | 18 | 20 |
| Push Ups | 25 | 30 | 35 |
| Sit Ups | 35 | 45 | 50 |
| Bent Knee Sit Ups | 20 | 25 | 30 |
| Pull-ups | 5 | 6 | 8 |
| 2 - Count Squats | 15 | 18 | 20 |
| Wide Arm Push Ups | 25 | 30 | 35 |
| Crunches | 25 | 30 | 35 |
| 4 - Count Quad leg raises | 15 | 20 | 25 |
| 4 - Count Obliques | 15 | 18 | 20 |
| 4 - Count Supermans | 15 | 18 | 20 |
| 4 - Count Flutter Kicks | 25 | 30 | 35 |
| Tricep Push Ups | 15 | 20 | 25 |
| Calf Raises | 30 | 35 | 40 |
| Cross Knee Oblique Crunches | 15 | 18 | 20 |
| 8 - Count Body Builders | 10 | 12 | 15 |
| Hip Flexor Stretch | 30 Seconds each leg | | |
| Group Run | 3-5 miles at 8-10 minute mile pace | | |
| Post Run Cool - Down Stretch Set | | | |

## NAVAL METEOROLOGY AND OCEANOGRAPHY PROFESSIONAL DEVELOPMENT CENTER

**(http://www.public.navy.mil/fltfor/cnmoc/Pages/PDC_home.aspx)**

The Naval Meteorology and Oceanography Professional Development Center (NMOPDC) in Gulfport, Mississippi, is the full-spectrum source for professional training in meteorology, oceanography, hydrography, and geospatial information.

**International Hydrographic Science Applications Program (MASL P169265)**

IHSAP is a 36 semester hour non-thesis Master of Science in Hydrographic Science degree offered by the University of Southern Mississippi (USM). The program was created as a partnership between the U.S. Naval Oceanographic Office and the University of Southern Mississippi. The hydrographic curriculum has received Category "A" Certification from the International Federation of Surveyors/International Hydrographic Organization/International Cartographic Association (FIG/IHO/ICA) Advisory Board on Standards of Competence for Hydrographic Surveyors. The curriculum can be completed in one rigorous year of studies and includes a hydrographic field project. **Upon successful completion of the curriculum, students receive a Master of Science in Hydrographic Science from USM and a certificate for having a completed a certified Category "A" academic program in hydrography.**

**International Hydrographic Management and Engineering Program (MASL P169208)**

IHMEP provides practical, professional training in hydrographic survey management and engineering. This six-month course has received the International Federation of Surveyors/International Hydrographic Organization/International Cartographic Association (FIG/IHO/ICA) Advisory Board on Standards of Competence for Hydrographic Surveyors Category "B" certification. The program provides students with a working knowledge of hydrography through practical training in mathematics, computer science, the physical sciences, geodesy, the Global Positioning System, hydrography, oceanography, meteorology, nautical cartography, photogrammetry, remote sensing, resource management, and International Law of the Sea. It is based on 30 hours of classroom training and practical field projects per week.

**MTT (MASL P309027)**

Provides professional personnel and state of the science commercial off-the-shelf equipment to conduct highly accurate collecting maritime geospatial and environment (MGE) surveys. Information and knowledge from these surveys are used to generate in-country interoperable products for rapid, safe maneuverability of U.S. and host nation military vessels during joint combat operations and exercises, and Safety of Navigation (SoN) and Safety Of Life At Sea (SOLAS) for commercial and military vessels during port and harbor egress and ingress. With 80 hours of formal classroom training and up to 450 hours of practical field MGE, the program provides students with the fundamentals of MGE surveying through practical training in mathematics, computer science, physical sciences, geodesy, Global Positioning System (GPS) for navigation, hydrography, oceanography, and meteorology, Geographical Information System (GIS) for nautical cartography, remote sensing and resource management.

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| (PSOM)STAGE 1:COMP INTRO SIMULATION/MODEL EXERCISE | P170374 | N/A | PPTE | Monterey, CA 93943 |
| 1561, EMERGING ISSUES | P156007 | N/A | VAR | Various |
| 2M TECHNICIAN RECERTIFIER | P131032 | A-100-0058 | PNAB | Norfolk, VA 23511 |
| 365 JOINT C4I SYSTEMS-MS | P179223 | CURR 365 | PGS | Monterey, CA 93943 |
| 372 METEOROLOGY - PHD 4 YR | P179543 | N/A | PGS | Monterey, CA 93943 |
| 5" 62 CALIBER MK45 MOD 4 GUN MOUNT | P142004 | A-113-2102 | PFCS | San Diego, CA 92136-5588 |
| A/C CORROSION | P141174 | N-701-0013 | PARJ | Jacksonville, FL 32212-0016 |
| A/C NDI TECH CLASS C1 | P141369 | C-603-3191 | PNTP | Penascola, FL 32508-5113 |
| A/C PAINT TCH UP | P141175 | N-701-0014 | PARJ | Jacksonville, FL 32212-0016 |
| A/C SEALED INST RPR I/M | P141872 | C-602-3019 | PTDJ | Jacksonville, FL 32212 |
| A/F 27T-10 HCTS | P141329 | C-690-3212 | PTDO | Oceana, VA 23460 |
| A/M25T-15 DIESEL HYDRAULIC POWER SUPPLY | P149121 | C-600-3338 | PFRC | NAS Jacksonville, FL 32212 |
| A/M27T-14 ELECTRIC HYDRAULIC POWER SUPPLY | P149120 | C-600-3227 | PFRC | NAS Jacksonville, FL 32212 |
| A/M27T-14/15 HYDRAULIC POWER SUPPLY (HPS) | P141199 | C-602-3233 | PTDN | San Diego, CA 92136-5588 |
| A/S 32M-19 HEAVY MAINTENANCE CRANE (HMC) | P141198 | C-602-3320 | PTDN | San Diego, CA 92136-5588 |
| A/S32A-45 MID-RANGE TOW TRACTOR (MRTT) | P141200 | C-602-3317 | PTDN | San Diego, CA 92136-5588 |
| AC/GSE WELD CERT | P141176 | N-701-0007 | PARJ | Jacksonville, FL 32212-0016 |
| ACQUIS/CONT MGMT - MBA | P179908 | CURR 815 | PGS | Monterey, CA 93943 |
| AD - HELO FUNDAMENTALS | P141621 | C-601-2012 | PNTP | Pensacola, FL 32508-5113 |
| AD - MACHMATE COMMON CORE | P141620 | C-601-2011 | PNTP | Pensacola, FL 32508-5113 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| AD - TURBOJET A/C FUND | P141623 | C-601-2014 | PNTP | Pensacola, FL 32508-5113 |
| AD - TURBOPROP A/C FUND | P141622 | C-601-2013 | PNTP | Pensacola, FL 32508-5113 |
| ADV CALIBRATION TECH | P148363 | C-198-2011 | PNTK | Biloxi, MS 39534-2498 |
| ADV COMPOSITE MATERIAL MT | P141677 | C-603-3868 | PTDL | Lemoore, CA 93246-5010 |
| ADV COMPOSITE MTRL REPAIR | P141412 | C-603-3868 | PTDO | Oceana, VA 23460 |
| ADV CT AIRCRW TACT JETS (N6) | P117414 | B- 9E-1231 | P129 | Oak Harbor, WA 98278 |
| ADV CT AIRCRW TACT JETS (N6) | P117416 | B- 9E-1231 | PATS | NAS Lemoore, CA 93246-5022 |
| ADV FLIGHT CONTROLS | P118403 | N/A | PNAX | Patuxent River, MD 20670 |
| ADV MULTI-ENG MPTS - USN | P112304 | Q- 2A-0391 | PTWC | Corpus Christi, TX 78419-5242 |
| ADV RADAR AIR TRAF CONTROL | P133026 | C-222-2022 | PNTP | Pensacola, FL 32508-5113 |
| ADV SEWING MACHINE REPAIR | P148125 | C-602-2029 | PNTP | Pensacola, FL 32508-5113 |
| ADV SHPBD FIREFIGHTING | P129181 | J-495-0419 | PTC2 | San Diego, CA 92136-5588 |
| ADV STUDIES HUMAN RIGHTS & HUMANITARIAN LAW - CERT | P170034 | N/A | PAMU | Washington, DC 20019 |
| ADV STUDIES HUMAN RIGHTS & HUMANITARIAN LAW - DIP | P170033 | N/A | PAMU | Washington, DC 20019 |
| ADV TRNG FOR AIRCREW NON-EJECT FIXED WING AIRCRAFT | P117419 | B- 9E-1240 | PATS | NAS Lemoore, CA 93246-5022 |
| ADV TRNG FOR AIRCREW NON-EJECT FIXED WING AIRCRAFT | P117423 | B- 9E-1240 | PASN | Norfolk, VA 23511 |
| ADVANCE BUILDER | P174209 | A-710-0057 | PCCH | Port Hueneme, CA 93043-4303 |
| ADVANCED AUDITING 1201 | P156006 | N/A | PDCA | Atlanta, GA 30328 |
| ADVANCED ELECTRIC MEASUREMENT CALIBRATION COURSE | P179249 | CIVCONTR | PFLU | Everett, WA 98203 |
| ADVANCED ENGINEERING AID (ADV EA) | P174073 | A-412-0027 | PCCG | Gulfport, MS 39501-5003 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| ADVANCED EQUIPMENT OPERATOR PIPELINE | P174072 | A-730-0049 | PCCH | Port Hueneme, CA 93043-4303 |
| ADVANCED HELICOPTER UNDERWATER EGRESS TRAINING | P117019 | B-322-0102 | PAMI | Pensacola, FL 32508 |
| ADVANCED HELO IUT MPTS | P115006 | Q- 2C-9900 | PTWV | Milton, FL 32570-6017 |
| ADVANCED MGMT PROGRAM (AMP) | P162015 | A-8B-0060 | PSC3 | Newport, RI 02841-1208 |
| ADVANCED OBM COURSE OVERVIEW (AOBM) | P145153 | N/A | PNST | Stennis Space Center, MS 39529 |
| ADVANCED STRIKE FIGHTER UMFO | P114049 | Q- 2D-0164 | PTWP | Pensacola, FL 32508 |
| ADVANCED WELDING TECHNIQUES COURSE (AWT) | P145910 | N/A | PNST | Stennis Space Center, MS 39529 |
| AE A1 STRAND | P131380 | C-602-2039 | PNTP | Pensacola, FL 32508-5113 |
| AE APPREN TECH (AEC) | P131387 | C-100-0109 | PNTP | Pensacola, FL 32508-5113 |
| AECTS OP/MAINT I | P141325 | C-602-3126 | PTDU | Camp Pendleton, CA 92055-5218 |
| AERONAUTICAL TECHNICAL PUBLICATIONS LIBRARY MGMT | P141169 | C-555-0007 | PTDJ | Jacksonville, FL 32212 |
| AEROSPACE MED RESIDENCY | P175309 | N/A | PAMI | Pensacola, FL 32508 |
| AEROSPACE MEDICINE SPECIALIST (AMS) FW CURR | P119037 | Q-2A-0166 | PTWV | Milton, FL 32570-6017 |
| AFLOAT ENVIRONMENTAL PROTECTION COORDINATOR | P179242 | A- 4J-0021 | PSDC | San Diego, CA 92136-5588 |
| AH-1W SIMULATOR TRAINING | P119016 | N/A | PMTR | Jacksonville, NC 28545-1035 |
| AH-1Z/UH-1Y AIRFRAMES ORGANIZATIONAL MAINT | P141231 | C-601-3310 | PTDU | Camp Pendleton, CA 92055-5218 |
| AIC INTL BASIC | P121023 | A-221-0112 | PASP | San Diego, CA 92136-5588 |
| AIR TRAF CNTL CEN CARRIER | P133028 | C-222-2012 | PNTP | Pensacola, FL 32508-5113 |
| AIR TRAFFIC CONTRL AC A1 | P133025 | C-222-2010 | PNTP | Pensacola, FL 32508-5113 |
| AIRBORNE LASER MINE DETECTION SYS (ALMDS) AIRCREW | P141185 | N/A | PPFL | Panama City, FL |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| AIRBORNE LASER MINE DETECTION SYST (ALMDS) MAINT | P141186 | N/A | PPFL | Panama City, FL |
| AIRBORNE SYS T&E ENGINEER | P118408 | N/A | PNAX | Patuxent River, MD 20670 |
| AIRBORNE SYS T&E NFO/WSO | P118407 | N/A | PNAX | Patuxent River, MD 20670 |
| AIRCRAFT ACCIDENT INVESTIG | P169227 | CIVCONTR | PSCE | Torrance, CA 90505 |
| AIRCRAFT CORROSION | P141266 | C-600-3183 | PTDV | Norfolk, VA 23511 |
| AIRCRAFT WEIGHT & BALANCE | P148230 | C-516-0001 | PTDJ | Jacksonville, FL 32212 |
| AIRCREW INDOC NASTP TRAINING FOR CLASS 2 AIRCRAFT | P117422 | B- 9E-1240 | PAMI | Pensacola, FL 32508 |
| AIRCREW INDOC NASTP TRAINING FOR CLASS 3 AIRCRAFT | P117011 | B- 9E-1241 | PASJ | NAS Jacksonville, FL 32212-0088 |
| AIRCREW INDOC NASTP TRNG FOR CLASS 1 AIRCRAFT | P117403 | B- 9E-1231 | PAMI | Pensacola, FL 32508 |
| AIRCREW REFRESHER NASTP TRNG FOR CLASS 3 AIRCRAFT | P117010 | B- 9E-2642 | PASJ | NAS Jacksonville, FL 32212-0088 |
| AIRCREW SURVIVAL EQUIPMENTMAN 'A' SCHOOL | P148004 | C-602-2043 | PNTP | Pensacola, FL 32508-5113 |
| ALE-47 MISSION DATA FILE GENERATOR (MDFG) TRAINING | P122104 | N/A | PCCC | Jacksonville, FL 32221-8112 |
| ALIS COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM | PJSF046 | CIVCONTR I103 | PEGL | Eglin AFB, FL 32542 |
| ALIS CUSTOMER RELATIONSHIP MANAGEMENT | PJSF047 | CIVCONTR I104 | PEGL | Eglin AFB, FL 32542 |
| ALIS F-35 AIRCRAFT WEIGHT & BALANCE DELTA | PJSF052 | CIVCONTR | PEGL | Eglin AFB, FL 32542 |
| ALIS FAMILIARIZATION | PJSF044 | CIVCONTR I101 | PEGL | Eglin AFB, FL 32542 |
| ALIS FLIGHT LINE SUPERVISION | PJSF042 | CIVCONTR I010 | PEGL | Eglin AFB, FL 32542 |
| ALIS JOINT-SERVICE TECHNICAL DATA | PJSF035 | CIVCONTR I105 | PEGL | Eglin AFB, FL 32542 |
| ALIS LOW OBSERVABLE HEALTH ASSESSMENT SYSTEM | PJSF048 | CIVCONTR I106 | PEGL | Eglin AFB, FL 32542 |
| ALIS MAINTENANCE MANAGER SUPER USER COURSE | PJSF051 | CIVCONTR I014 | PEGL | Eglin AFB, FL 32542 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| ALIS MAINTENANCE PLANNERS AND SCHEDULERS | PJSF022 | CIVCONTR I001 | PEGL | Eglin AFB, FL 32542 |
| ALIS MANAGEMENT AND SUPERVISION | PJSF015 | CIVCONTR I002 | VAR | |
| ALIS MQM ON-AIRCRAFT | PJSF053 | CIVCONTR M010 | PEGL | Eglin AFB, FL 32542 |
| ALIS NETWORK ADMINISTRATOR ADVANCED | PJSF039 | A008 | PEGL | Eglin AFB, FL 32542 |
| ALIS NETWORK ADMINISTRATOR ESSENTIALS | PJSF034 | CIVCONTR A004 | PEGL | Eglin AFB, FL 32542 |
| ALIS OFF EQUIPMENT | PJSF024 | CIVCONTR I012 | PEGL | Eglin AFB, FL 32542 |
| ALIS OFF-BOARD MISSION SUP ADMIN MPSE R2.0.2.4 | PJSF041 | CIVCONTR A002 | PEGL | Eglin AFB, FL 32542 |
| ALIS OFFBOARD MISSION SUP ADMN PH 1 MPSE 2.1.5-TRN | PJSF033 | CIVCONTR A002 | PEGL | Eglin AFB, FL 32542 |
| ALIS OFF-BOARD MISSION SUP ADMN PHII MPSE 2.1.6-US | PJSF050 | CIVCONTR A005 | PEGL | Eglin AFB, FL 32542 |
| ALIS OPERATIONS SCHEDULERS | PJSF023 | CIVCONTR MI003-103A3 | PEGL | Eglin AFB, FL 32542 |
| ALIS POINT OF ENTRY | PJSF049 | CIVCONTR I107 | PEGL | Eglin AFB, FL 32542 |
| ALIS SOUV2 SET UP / TEAR DOWN / OPERATE | PJSF040 | CIVCONTR A006 | PEGL | Eglin AFB, FL 32542 |
| ALIS SUPPLY WAREHOUSE TECHNICIAN | PJSF043 | CIVCONTR I015 | PEGL | Eglin AFB, FL 32542 |
| ALIS SYSTEM ADMINISTRATOR ADVANCED | PJSF037 | CICCONTR A007 | PEGL | Eglin AFB, FL 32542 |
| ALIS SYSTEM ADMINISTRATOR ESSENTIALS | PJSF036 | CIVCONTR A003 | PEGL | Eglin AFB, FL 32542 |
| ALIS SYSTEM ADMINISTRATOR MASTERY | PJSF038 | CIVCONTR A009 | PEGL | Eglin AFB, FL 32542 |
| ALIS TMS SUPER USER | PJSF045 | CIVCONTR I102 | PEGL | Eglin AFB, FL 32542 |
| AM A1 CORE | P141618 | C-603-0175 | PNTP | Pensacola, FL 32508-5113 |
| AM O LEVEL STRND | P141619 | C-603-0176 | PNTP | Pensacola, FL 32508-5113 |
| AME -AVIATION STR MECH E | P141629 | C-602-2033 | PNTP | Pensacola, FL 32508-5113 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| AMMUNITION SUPPLY ADMIN | P122029 | A-041-0040 | PTCL | Virginia Beach, VA 23461 |
| AMPB AIR TRAF CNTRL CEN OP | P133027 | C-222-2019 | PNTP | Pensacola, FL 32508-5113 |
| AMPHIB AIR OPS COORD | P124054 | J- 2G-0044 | PEWL | Virginia Beach, VA 23459-2740 |
| AMPHIB CIC BOAT CONTROL TEAM TRAINING | P124036 | J-221-0043 | PEW4 | Norfolk, VA 23521-2740 |
| AMPHIB RECON CORPSMAN | P175520 | A-431-0076 | PDIV | Panama City, FL 32407 |
| AMPHIB WARFARE INDOC (CORONADO) | P124250 | K- 2G-0037 | PEWP | San Diego, CA 92155 |
| AMPHIB WARFARE INDOC (Norfolk) | P124503 | K- 2G-0037 | PEWL | Virginia Beach, VA 23459-2740 |
| AN EXPANSIVE APPROACH TO DISARMAMENT, DEMOBILIZATION AND REINTEGRATION (DDR) | P170022 | CCMR - PR&R | VAR | |
| AN/AQS-24A SYS | P141182 | C-102-9728 | PTDV | Norfolk, VA 23511 |
| AN/SPS-49(V) RADAR SET MT | P137152 | A-104-0176 | PFCS | San Diego, CA 92136-5588 |
| AN/SPS-49A 5,7,8 & MT TECH | P137162 | A-104-0222 | PNAB | Norfolk, VA 23511 |
| AN/SSN-6 NAVSSI O&M | P145233 | N/A | PSNW | San Diego, CA 92152-5001 |
| AN/SYQ-27 NFCS (NAVY FIRE CONTROL SYSTEM) O&M | P132017 | A-150-0052 | PASP | San Diego, CA 92136-5588 |
| AN/USC-42 MINI-DAMA | P139268 | N/A | PSNW | San Diego, CA 92152-5001 |
| AN/WSN-7(V)1 SURFACE OP MT | P145491 | A-670-2153 | PTCL | Virginia Beach, VA 23461 |
| ANTI-SUB WARFARE CERT PROGRAM (ASW CERT) OCONUS | P471214 | CURR 274 PGS DISTL (4 CRS) | VAR | |
| ANTI-SUBMARINE WARFARE CERT PROGRAM (ASW) CONUS | P170214 | CURR 274 PGS CBT (4 CRS) | VAR | |
| AO - NAVY DIFFERENCE TRNG | P142381 | C-646-2012 | PNTP | Pensacola, FL 32508-5113 |
| AO APPREN TECH (AEC) | P131386 | C-100-0111 | PNTP | Pensacola, FL 32508-5113 |
| APPROACHES FOR THE REINTEGRATION OF EX-COMBATANTS | P171063 | N/A | PCMR | Monterey, CA 93943 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| AQS-24A AIRCREW OPERATOR TRAINING | P141183 | N/A | PWEA | Norfolk, VA |
| AQS-24A OPERATIONAL TRAINING FOR AIRCREW | P141184 | N/A | PPFL | Panama City, FL |
| AQS-24A PRE-CADRE TRAINING | P141187 | N/A | PPFL | Panama City, FL |
| AS APPREN TECH (AEC) | P131388 | C-100-0113 | PNTP | Pensacola, FL 32508-5113 |
| AT I APPREN TECH (AEC) | P131384 | C-100-0110 | PNTP | Pensacola, FL 32508-5113 |
| AT O APREN TECH (AEC) | P131385 | C-100-0112 | PNTP | Pensacola, FL 32508-5113 |
| AV GAS FREE ENGINEERING | P141043 | C-600-3000 | PTDJ | Jacksonville, FL 32212 |
| AV TECH I LEVEL A1 STRAND | P131379 | C-100-2017 | PNTP | Pensacola, FL 32508-5113 |
| AV TECH O LEVEL A1 STRAND | P131378 | C-100-2018 | PNTP | Pensacola, FL 32508-5113 |
| AV-8B A/C ORD TECH ORG | P141521 | C-646-9888 | PVMA | Havelock, NC 28533 |
| AV-8B A/C SAFE EQ MECH OMA | P141517 | C-602-9888 | PVMA | Havelock, NC 28533 |
| AV-8B AIRCRAFT MECH ORG MT | P141515 | C-600-9889 | PVMA | Havelock, NC 28533 |
| AV-8B AIRFRAMES INTEG O/M | P141599 | C-603-9890 | PVMA | Havelock, NC 28533 |
| AV-8B AVIONICS TECHNICIAN ORGANIZATIONAL MAINT | P141153 | M-602-0153 | PVMA | Havelock, NC 28533 |
| AV-8B CONV WEAPONS LOADING | P141585 | C-646-3893 | PVMA | Havelock, NC 28533 |
| AV-8B GAS TURB INTERM MAIN | P141569 | C-601-3893 | PVMA | Havelock, NC 28533 |
| AVIA SPT EQUIP TECH A1 | P141631 | C-602-2026 | PNTP | Pensacola, FL 32508-5113 |
| AVIATION BOATSWAIN MATE AIRCRAFT HANDLING | P141147 | C-822-2010 | PNTP | Pensacola, FL 32508-5113 |
| AVIATION ELECTRICIAN'S MATE (AE) | P8JP007 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |
| AVIATION ELECTRONICS TECHNICIANS (AT) | P8JP008 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| AVIATION FLIGHT PHYSICAL | P175AFP | N/A | VAR | |
| AVIATION MACHINISTS MATE (AD) | P8JP005 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |
| AVIATION MAINTENANCE ADMINISTRATION MAN CLASS A1 | P163601 | C-555-2010 | PME1 | Meridian, MS 39309-5040 |
| AVIATION ORD SYS TECH CORE | P142050 | C-646-3111 | PVMA | Havelock, NC 28533 |
| AVIATION ORD SYS TECH MEU | P142051 | C-646-3112 | PVMA | Havelock, NC 28533 |
| AVIATION ORDN A SCHOOL | P142380 | C-646-2011 | PNTP | Pensacola, FL 32508-5113 |
| AVIATION ORDNANCE OFF CAREER PROGRESSION LEVEL I | P141191 | C- 4E-0010 | PNGW | Milton, FL 32570-6002 |
| AVIATION ORDNANCE OFF CAREER PROGRESSION LEVEL II | P141192 | C- 4E-0011 | PNGW | Milton, FL 32570-6002 |
| AVIATION ORDNANCE OFF CAREER PROGRESSION LEVEL III | P141193 | C- 4E-0012 | PNGW | Milton, FL 32570-6002 |
| AVIATION ORDNANCEMAN (AO) | P8JP006 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |
| AVIATION SAFETY COMMAND (ASC) | P171411 | C- 4J-3301 | PSFF | Pensacola, FL |
| AVIATION SAFETY OFFICER COURSE (ASO) | P171410 | C- 4J-3302 | PSFF | Pensacola, FL |
| AVIATION STRUCTURAL MECHANIC (AM) | P8JP009 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |
| AVIATION STRUCTURAL MECHANIC, SAFETY EQUIP (AME) | P8JP010 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |
| AVIATION SURVIVAL TECH A (RESCUE SWIMMER) | P116036 | 501072 | PCAC | Elizabeth City, NC 27909 |
| AVTRA ADV HELO MPTS | P113301 | Q- 2A-0015 | PTWV | Milton, FL 32570-6017 |
| AVTRA AIRCREW CAND SCH | P117024 | C-050-1500 | PAVS | Pensacola, FL 32508 |
| AVTRA FLT SURG T-6B/TH-57 | P119024 | Q- 2A-0072 | PTWV | Milton, FL 32570-6017 |
| AVTRA INSTRUCTOR | P115001 | SPECIAL | PTWP | Pensacola, FL 32508 |
| AVTRA INSTRUCTOR | P115002 | SPECIAL | PTWM | Meridian, MS 39305 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| AVTRA INSTRUCTOR | P115003 | SPECIAL | PTWV | Milton, FL 32570-6017 |
| AVTRA PRE-FLIGHT INDOC | P119301 | Q- 9B-0020 | PAVS | Pensacola, FL 32508 |
| AVTRA T-45 COMBINED MPTS (SPECIAL) | P111300 | PCA SPECIAL | PTWM | Meridian, MS 39305 |
| AVTRA T-45 SIMULATOR | P119088 | N/A | PTWM | Meridian, MS 39305 |
| AVTRA TH-57 SIMULATOR | P113314 | SPECIAL | PTWV | Milton, FL 32570-6017 |
| BASIC AIRBORNE FIRE CONTROL SYSTEMS DEF 1001P | P122114 | PGAT | VAR | |
| BASIC ANTENNA CONCEPTS DEF 1501P | P122112 | PGAT | VAR | |
| BASIC CONTRACT AUDITING SKILLS (BCAS) 1101 | P156005 | DCAI 1150 | PDCA | Atlanta, GA 30328 |
| BASIC ENGINEERING COMMON CORE ADVANCED (BECC) | P145021 | A-651-0011 | PSS4 | Great Lakes, IL 60088 |
| BASIC MARITIME TECHNICAL TRAINING (BMTT) | P166017 | CIVCONTR | PSEV | Norfolk, VA 23511-2613 |
| BASIC OSSEOINTEGRATION AND DENTAL IMPLANTS | P175025 | N/A | PDCB | Bethesda, MD 20889-5602 |
| BASIC OSSEOINTEGRATION AND DENTAL IMPLANTS | P175026 | N/A | PDCD | San Diego, CA 92136-5596 |
| BASIC RADAR CONCEPTS (DEF 3501P) | P179272 | CIVCONTR | VAR | |
| BASIC UNDERWATER DEMOLITION/SEAL (BUD/S) | P124301 | K-431-0024 | PWFC | San Diego, CA 92155-5494 |
| BASIC UNDERWATER DEMOLITION/SEAL ORIENTATION BUD/S | P124302 | K-431-0037 | PWFC | San Diego, CA 92155-5494 |
| C-130 AVIATION ELECTRICIAN (AE) TRAINING | P114057 | CIVCONTR | VAR | |
| C-130 AVIATION ELECTRONIC TECHNICIAN (AT) TRG | P114058 | CIVCONTR | VAR | |
| C-130 AVIATION MAINT OFFICER TRAINING | P114054 | CIVCONTR | VAR | |
| C-130 AVIATION MECHANIC (AD) TRAINING | P114056 | CIVCONTR | VAR | |
| C-130 AVIATION ORDNANCE (AO) TRAINING | P114059 | CIVCONTR | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| C-130 AVIATION STRUCTURAL MAINT | P114055 | CIVCONTR | VAR | |
| C-130 FLIGHT ENGINEER TRAINING | P114051 | CIVCONTR | VAR | |
| C-130 LOADMASTER TRAINING | P114053 | CIVCONTR | VAR | |
| C-130 NAVIGATOR TRAINING | P114052 | CIVCONTR | VAR | |
| C-130 PILOT TRAINING COURSE | P112000 | CIVCONTR | VAR | |
| C4I OFFICER CORE COURSE | P179214 | CIVCONTR | PNSH | Charleston, SC |
| C4I OFFICER OPERATIONS COURSE | P179215 | CIVCONTR | PNSH | Charleston, SC |
| C4I OFFICER TECHNICAL COURSE | P179216 | CIVCONTR | PNSH | Charleston, SC |
| C4I: OE 570/WSC SATCOM ANTENNA TRAINING | P139052 | N/A | PSNW | San Diego, CA 92152-5001 |
| C4I: RT 1829 UHF SATCOM TERMINAL TRAINING | P139053 | N/A | PSNW | San Diego, CA 92152-5001 |
| CADRT OPERATOR TRNG | P124028 | N/A | PDAH | Dahlgren, VA 22448-5131 |
| CAT DIESEL ENG OVHL TECH | P148050 | A-652-0210 | PEW1 | San Diego, CA 92155-5099 |
| CAT II TEST PILOT AND FLT ENG CRS - LIGHT A/C | P129022 | CIVCONTR | PTPS | Mojave, CA 93502-0658 |
| CCMR EXEC PRGM IN DEC MK | P170001 | N/A | PCMR | Monterey, CA 93943 |
| CCMR INTEL AND POLICY IN RESIDENCE | P170009 | N/A | PCMR | Monterey, CA 93943 |
| CD - COMB STRATEGY/SEC/OPS | P171493 | CD ROM | PNCE | Newport, RI 02841-1207 |
| CDLMS MAINTENANCE | P139233 | N/A | PSNW | San Diego, CA 92152-5001 |
| CE1/2 BASIC ELECTRONICS | P131026 | CIVCONTR | PMTA | Novi, MI 48377 |
| CE3/4 ADVANCED ELECTRONICS | P131033 | CIVCONTR | PMTA | Novi, MI 48377 |
| CEC OFF BAS QUAL | P174052 | A- 4A-0010 | PCEC | Port Hueneme, CA 93043-4336 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| CENTRIFUGE-BASED FLT ENVIRON TRAINER (CFET) (NP5) | P128003 | N/A | PWST | San Antonio, TX |
| CHAIRSIDE CAD/CAM | P175022 | N/A | PDCB | Bethesda, MD 20889-5602 |
| CHEMICAL BIOLOGICAL IRF | P127180 | N/A | POSI | Indian Head, MD |
| CIVILIAN CONTR TRNG-PNA | P179183 | CIVCONTR | VAR | |
| CIVILIAN CONTRACTOR TRNG - PNA | P179182 | CIVCONTR | VAR | |
| CIVIL-MILITARY APPROACHES TO MARITIME SECURITY | P179548 | N/A | PCMR | Monterey, CA 93943 |
| CIVIL-MILITARY COORDINATION IN DISASTER RELIEF | P170475 | N/A | PCMR | Monterey, CA 93943 |
| CIV-MIL RELATIONS-MA | P171403 | CURR 685 | PGS | Monterey, CA 93943 |
| CIV-MIL RESP TO TERRORISM | P179018 | CT-CMR | PCMR | Monterey, CA 93943 |
| CIWS COMBINED TRAINING (San Diego CA) | P134003 | A-113-0043 | PFCS | San Diego, CA 92136-5588 |
| CIWS MK 15 BLK 1B BL 2 DIFF COURSE | P134005 | A-113-0048 | PFCS | San Diego, CA 92136-5588 |
| CM1/2 PREVENTIVE AND CORRECTIVE MAINTENANCE | P149000 | CIVCONTR | PMTA | Novi, MI 48377 |
| CM3/4 MECHANICAL AND BASE MAINTAINER | P149015 | CIVCONTR | PMTA | Novi, MI 48377 |
| CMBSYS SCI/TEC-MS | P179906 | CURR 533 | PGS | Monterey, CA 93943 |
| CMDR AMPHIB TASK/F SURGEON | P175310 | B- 6A-1000 | PSWM | San Diego, CA 92134 |
| CMR CONUS PLANNING | P171400 | MET-CMR | PCMR | Monterey, CA 93943 |
| COMBAT LIFESAVER COURSE | P122000 | N/A | PNST | Stennis Space Center, MS 39529 |
| COMBINED FORCE MARITIME COMPONENT CDR FLAG BAHRAIN | P271001 | OVERSEAS-BAHRAIN | PNWB | Manama, Bahrain |
| COMBINED FORCE MARITIME COMPONENT CDR FLAG COURSE | P171000 | N/A | PNWH | Pearl Harbor, HI |
| COMBINED FORCE MARITIME COMPONENT CDR FLAG NAPLES | P271000 | OVERSEAS-NAPLES | PNWI | Newport, RI 02841 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| COMBINED FORCE MARITIME COMPONENT COMMANDER COURSE | P171062 | NAVSOUTH | PNWM | Miami, FL 33172 |
| COMMAND LEADERSHIP | P171030 | P- 1B-0004 | PCLS | Newport, RI 02841-1617 |
| COMMAND MASTER CHIEF/CHIEF OF THE BOAT | P171037 | A-570-4500 | PNEA | Newport, RI 02841 |
| COMPREHENSIVE MANAGEMENT OF APPREHENSIVE PATIENT | P175035 | N/A | PDCD | San Diego, CA 92136-5596 |
| COMPUTER SCIENCE - MS | P177713 | CURR 368 | PGS | Monterey, CA 93943 |
| COMPUTER SCIENCE - PHD 4 YR | P179542 | CURR 368 | PGS | Monterey, CA 93943 |
| COMPUTER TECH AND MGMT INFO SYSTEMS | PDET002 | PREP TRAINING PNC | POTD | NAS Pensacola, FL 32508 |
| CONFIGURATION MGT FOR ORGAN'L& INTERMED ACTIVITIES | P141166 | C-555-0059 | PTDJ | Jacksonville, FL 32212 |
| CONSTRUCTION ELECTRICIAN A SCHOOL | P174100 | A-721-0018 | PSDT | Sheppard AFB, TX 76311-2254 |
| CONSTRUCTION INSPECTOR | P174006 | A-710-0022 | PCCG | Gulfport, MS 39501-5003 |
| CONTR SHIP INTRO | P179826 | CIVCONTR | PSYD | Charleston, SC 29405-8227 |
| CONUS - POST ASSESSMENT SEMINAR AND SITE VISIT | P471001 | N/A | VAR | |
| CONVENTIONAL WEAPONS LOADING COURSE (ML) | P319076 | MTT PCL | VAR | |
| CORROSION CONTROL UNIT | P149112 | C-600-3292 | PFRC | NAS Jacksonville, FL 32212 |
| COST ACCOUNTING STANDARDS 1541 | P156004 | N/A | PDCA | Atlanta, GA 30328 |
| COURSEWARE MAINTENANCE TRAINING | P149013 | CIVCONTR | PGEN | Chesapeake, VA 23320 |
| CRAFTSMAN/CERTIFIER INITIAL CLASS | P145120 | N/A | PTRF | Kings Bay, GA 31547-2631 |
| CREW RESOURCE MANAGEMENT INSTRUCTOR TRAINING | P115025 | C-050-1503 | PSFF | Pensacola, FL |
| CTERR POLICY&STRAT-MA | P173201 | CURR 693 | PGS | Monterey, CA 93943 |
| CYBER INCIDENT HANDLING & DISASTER RECOVERY PLAN | P170372 | N/A | PPTE | Monterey, CA 93943 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| CYBER SECURITY | P170378 | N/A | PPTE | Monterey, CA 93943 |
| CYBER SECURITY DEFENSE CERTIFICATE | P170027 | CURR 259 (1 QTR) | PGS | Monterey, CA 93943 |
| CYBER SECURITY FUNDAMENTALS CERTIFICATE | P170026 | CURR 257 (1 QTR) | PGS | Monterey, CA 93943 |
| CYBERSECURITY POLICY AND PRACTICE | P170370 | N/A | PCMR | Monterey, CA 93943 |
| DAMCONT REPAIR PARTY LDR | P166235 | K-495-0040 | PTC2 | San Diego, CA 92136-5588 |
| DATA LINK COMM SYS MT TECH | P139600 | A-101-0148 | PTCL | Virginia Beach, VA 23461 |
| DATA LINK GATEWAY (DLGW) TRAINING | P130001 | NATO | PSNW | San Diego, CA 92152-5001 |
| DEF PLAN CERT (GRADUATE-LEVEL EDUC DEF PLANNERS) | P170006 | CURR 245 | PGS | Monterey, CA 93943 |
| DEFENSE RESOURCES MANAGEMENT COURSE | P162002 | S- 00-3306 | PDR | Monterey, CA 93943 |
| DEFENSE SYS MGMT - MBA | P176002 | CURR 818 | PGS | Monterey, CA 93943 |
| DEI TRNG & CERT | P148352 | A-652-0311 | PTC2 | San Diego, CA 92136-5588 |
| DENTAL-ENDODONTICS | P175203 | B- 6C-1014 | PDCB | Bethesda, MD 20889-5602 |
| DEPARTMENT HEAD LEADERSHIP COURSE (DHLC) | P171040 | P-7C-0101 | PNLV | Virginia Beach, VA 23461 |
| DEPARTMENT HEAD LEADERSHIP COURSE (DHLC) | P171054 | P- 7C-0101 | PSC4 | Newport, RI 02841-1208 |
| DEV SUSTAINED INSTITUTIONAL CAP COMBATINGTERRORISM | P170037 | N/A | PCMR | Monterey, CA 93943 |
| DIESEL ENG C SCHOOL CORE | P145453 | A-652-0320 | PSS4 | Great Lakes, IL 60088 |
| DIESEL SYSTEM'S OVERHAUL AND MAINTENANCE (DSOM) | P145907 | S-062-0017 | PNST | Stennis Space Center, MS 39529 |
| DIGITAL WIDEBAND TECHNICIANS COURSE | P149310 | A09DPG1 | PMGA | FT Gordon, GA 30905-5221 |
| DISASTER MANAGEMENT | P170472 | N/A | PCMR | Monterey, CA 93943 |
| DIVISION OFFICER LEADERSHIP COURSE (DIVOLC) | P162013 | P-7C-0100 | PCLD | Pensacola, FL 32511-5138 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| DIVISION OFFICER LEADERSHIP COURSE (DIVOLC) | P162017 | P- 7C-0100 | PSC4 | Newport, RI 02841-1208 |
| DOCTOR OF PHILOSOPHY (PHD)-MEDICAL ZOOLOGY | P175028 | N/A | PTMD | Bethesda, MD |
| DOCTOR OF PUBLIC HEALTH | P175030 | N/A | PTMD | Bethesda, MD |
| DOD OPERATIONS SECURITY COURSE (OPSE-2500) | P129020 | N/A | VAR | |
| DOD SHELF LIFE TRAINING COURSE (MU) | P152013 | PSP MU | PSP | Newport, RI 02841-1208 |
| E2-C OPER FLT TRAINER | P119064 | N/A | PVAW | Norfolk, VA 23511 |
| EA-18G O LEVEL MAINTENANCE | P141154 | C-102-9980 | PTDW | Oak Harbor, WA 98278 |
| EARTHWORK OPERATIONS | P174173 | A-730-0047 | PCCH | Port Hueneme, CA 93043-4303 |
| ELECTRIC MOTOR REWIND | P131042 | J-662-0021 | PTC2 | San Diego, CA 92136-5588 |
| ELECTRICAL ENGRG - PHD 3 YR | P179109 | CURR 590 | PGS | Monterey, CA 93943 |
| ELECTRICAL ENGRG - PHD 4 YR | P179539 | CURR 590 | PGS | Monterey, CA 93943 |
| ELECTRICAL STRAND | P131000 | A-662-0002 | PSS4 | Great Lakes, IL 60088 |
| ELECTRNIC SYS ENGRG-MS | P177712 | CURR 590 | PGS | Monterey, CA 93943 |
| ELECTRONIC DIESEL CONTROL COURSE (EDCC) | P145911 | N/A | PNST | Stennis Space Center, MS 39529 |
| ELECTRONIC WARFARE ENGINEER CERTIFICATE OCONUS | P471012 | CURR 292 PGS DISTL (3CRS) | VAR | |
| EM APPRENTICE TECHNICAL TRNG ATT (AEC) | P131012 | A-100-0102 | PSS4 | Great Lakes, IL 60088 |
| EMERGENCY WAR SURGERY | P175801 | N/A | PCDV | San Diego, CA 92134 |
| ENERGY SECURITY POLICY & PRACTICE (OIL& GAS FOCUS) | P170032 | N/A | PPTE | Monterey, CA 93943 |
| ENG PROFESSIONAL APPRENTICESHIP CAREER TRACK | P145029 | A-651-0012 | PSS4 | Great Lakes, IL 60088 |
| ENGINEERING ACOUSTICS-PHD 3 YR | P179170 | CURR 533 | PGS | Monterey, CA 93943 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| ENGINEERING ACOUSTICS-PHD 4 YR | P179541 | CURR 533 | PGS | Monterey, CA 93943 |
| ENGINEERING SCIENCE | P174233 | CURR 460 | PGS | Monterey, CA 93943 |
| ENGINEMAN STRAND | P145040 | A-652-0052 | PSS4 | Great Lakes, IL 60088 |
| ENVIRONMENTAL HEALTH SCIENCE (PHD) | P175029 | N/A | PTMD | Bethesda, MD |
| EOD DIVER | P179190 | A-431-0083 | PDIV | Panama City, FL 32407 |
| EQUIPMENT OPERATOR "A" SCHOOL | P174008 | A-730-0009 | PFLW | FT Leonard Wood, MO 65473-8962 |
| EQUIPMENT OPERATOR ACCESSION PIPELINE | P174009 | A-730-0000 | PFLW | FT Leonard Wood, MO 65473-8962 |
| ET A SCHOOL | P139453 | A-100-0149 | PSS2 | Great Lakes, IL 60088 |
| ET APPREN TECH SELF PACED | P139013 | A-100-0106 | PSS2 | Great Lakes, IL 60088 |
| ET COMBINED A SCHOOL | P139055 | A-100-0092 | PSS2 | Great Lakes, IL 60088 |
| EWO INTERNATIONAL | P139336 | J- 2G-0213 | PFC3 | Norfolk, VA 23511 |
| EXECUTIVE LEADERS PROGRAM | P173025 | N/A | PGS | Monterey, CA 93943 |
| EXECUTIVE MBA (EMBA), DEFENSE FOCUS (CONUS) | P170212 | CURR 805 PGS CBT(17 CRSES) | VAR | |
| EXP SHORE BASED CBRD OPSS | P173004 | A-494-0006 | PCCG | Gulfport, MS 39501-5003 |
| EXPED WARFARE STAFF PLNG | P124251 | J- 2G-0048 | PEWP | San Diego, CA 92155 |
| EXPED WARFARE STAFF PLNG | P124507 | J- 2G-0048 | PEWL | Virginia Beach, VA 23459-2740 |
| EXPEDITIONARY LOGISTICS AND SUPPLY (ELS) | P152014 | N/A | PNST | Stennis Space Center, MS 39529 |
| EXPLORING THE DDR-SSR NEXUS | P170003 | N/A | PCMR | Monterey, CA 93943 |
| F/A-18 ARMAMENT SYSTEM ORGANIZATIONAL MAINTENANCE | P142010 | C-646-0653 | PTDO | Oceana, VA 23460 |
| F/A-18 AVIA HYD/STRUT MT I | P141149 | C-603-9973 | PTDO | Oceana, VA 23460 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| F/A-18 AVIONICS SYS (INITIAL) ORGANIZATIONAL MAINT | P141194 | C-102-9964 | PTDO | Oceana, VA 23460 |
| F/A-18 CONVENTIONAL RELEASE SYSTEM TEST | P141197 | E-646-0647 | PTDO | Oceana, VA 23460 |
| F/A-18 INFARED DETECTION SYS ORGANIZATIONAL MAINT | P141196 | C-102-3870 | PTDO | Oceana, VA 23460 |
| F/A-18 PP & REL SYS (INITIAL) ORG MAINT | P141125 | C-601-9973 | PTDO | Oceana, VA 23460 |
| F/A-18 SIMULATOR | P119002 | N/A | PBSC | ST Louis, MO 63166-0516 |
| F/A-18 STORES MGT SYS (CAREER) O-LEVEL MAINT | P141189 | C-646-9974 | PTDO | Oceana, VA 23460 |
| F/A-18 STORES MGT SYS (INITIAL) O-LEVEL MAINT | P142011 | C-646-9973 | PTDO | Oceana, VA 23460 |
| F/A-18 T-20 / STS P/L | P141328 | C-690-3210 | PTDO | Oceana, VA 23460 |
| F/A-18 WIRE BUNDLE & CONNECTOR REPAIR ORG MAINT | P141195 | C-602-3871 | PTDO | Oceana, VA 23460 |
| F-35 CRASHED DAMAGED DISABLED AIRCRAFT REC (CDDAR) | PJSF021 | CIVCONTR ITF00001000CSEXX | VAR | |
| F-35 TOP-OFF TRAINING | P117015 | N/A | PAMI | Pensacola, FL 32508 |
| FAST CHARACTERIZATION TOOL (FACT) TRAINING | P119053 | N/A | VAR | |
| FC COMBINED A SCHOOL | P134004 | A-100-0093 | PSS2 | Great Lakes, IL 60088 |
| FFG-7 AUX MECH TECP/L | P145436 | A-652-0233 | PSS4 | Great Lakes, IL 60088 |
| FIELD MEDICAL SERVICE TECHNICIAN M03M6D3 | P175572 | B-300-0013 | PMSL | Camp Lejeune, NC 28542 |
| FINAF HYDRAULICS OJT | P145109 | N/A | PNNI | San Diego, CA |
| FINANCIAL MANAGEMENT - MBA | P179127 | CURR 837 | PGS | Monterey, CA 93943 |
| FIRE CONTROLMAN A STRAND | P131351 | A-100-0141 | PSS2 | Great Lakes, IL 60088 |
| FIRE SUPPORT COORDINATION | P124505 | N03APJ1 | PLAM | Virginia Beach, VA 23459-2740 |
| FIREFIGHTING SHPBD AIRCRFT | P129133 | J-495-0413 | PSLS | Norfolk, VA 23511 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| FIRST CLASS DIVER | P179607 | A-433-0025 | PDIV | Panama City, FL 32407 |
| FIXED WING FLT MECH PILOT | P118300 | N/A | PNAX | Patuxent River, MD 20670 |
| FIXED WING FLT TEST ENGR | P118302 | N/A | PNAX | Patuxent River, MD 20670 |
| FLIGHT SURGEON ACADEMIC | P175307 | B- 6A-2100 | PAMI | Pensacola, FL 32508 |
| FOAM GEN SYS OPS & MAINT | P145438 | K-495-2179 | PFC2 | Norfolk, VA 23511 |
| FORENSIC DENTISTRY | P175039 | N/A | PDEN | San Diego, CA 92134 |
| FUEL PROBE/CARGO DROP MT | P145758 | J-690-0077 | PNAB | Norfolk, VA 23511 |
| FUNDAMENTAL SKILLS TRAINING | P179610 | FNDSKTRA | POTD | NAS Pensacola, FL 32508 |
| FUNDAMENTALS OF INFORMATION TECHNOLOGY COURSE | P170397 | N/A | PPTE | Monterey, CA 93943 |
| FUNDAMENTALS OF RADAR SIGNAL PROCESSING DEF 3505P | P122109 | PGAT | VAR | |
| GAS FREE ENGRG | P129042 | K-495-0051 | PLSM | Mayport, FL |
| GAS TURB ACCIDENT INVESTIG | P169226 | CIVCONTR | PSCE | Torrance, CA 90505 |
| GAS TURBINE (ELECTRICAL AND MECHANICAL) STRAND | P145041 | A-652-0053 | PSS4 | Great Lakes, IL 60088 |
| GCS MK160MOD9/MK46MOD1 OSS | P142444 | CIVCONTR | PTCL | Virginia Beach, VA 23461 |
| GEN SHBD FF TRN SCBA | P127001 | A-495-0416 | PTC2 | San Diego, CA 92136-5588 |
| GENERAL DENTISTRY TREATMENT PLANNING | P175041 | B- 6C-1017 | PHSP | Bethesda, MD 20889-5602 |
| GIGABYTE ETHERNET DATA MULTIPLEX SYSTEM/GEDMS | P132016 | A-102-0256 | PTCL | Virginia Beach, VA 23461 |
| GLOBAL BROADCAST SERVICE (GBS) MAINTENANCE | P149023 | C-101-0030 | PTDJ | Jacksonville, FL 32212 |
| GLOBAL HEALTH STRATEGIES FOR SECURITY | P175024 | N/A | PTMD | Bethesda, MD |
| GM COMBINED A SCHOOL | P142012 | A-100-0094 | PSS2 | Great Lakes, IL 60088 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| GOVERNANCE AND SECURITY IN SUB-SAHARAN AFRICA | P170036 | N/A | PCMR | Monterey, CA 93943 |
| GPETE REPAIR AND CALIBRTN | P139340 | C-198-6671 | PNTK | Biloxi, MS 39534-2498 |
| GPOI UNITED NATIONS LOGISTICS OFFICERS COURSE | P179047 | GPOI-CCMR | PCMR | Monterey, CA 93943 |
| GPOI UNITED NATIONS STAFF OFFICERS COURSE (UNSOC) | P179045 | GPOI-CCMR | PCMR | Monterey, CA 93943 |
| GSE APPREN TECH (AEC) | P145522 | A-100-0101 | PSS2 | Great Lakes, IL 60088 |
| HAAR GROUND COURSE | P119093 | N/A | PJ33 | Kadena AB, JA |
| HAAR IN-FLIGHT TRAINING | P114093 | N/A | PJ33 | Kadena AB, JA |
| HEALTH EMERGENCIES IN LARGE POPULATIONS (HELP) | P175018 | N/A | VAR | |
| HELICOPTER ACCIDENT INVESTIGATION | P169009 | CIVCONTR | PSCE | Torrance, CA 90505 |
| HELICOPTER CONTROL OFFICER (HCO) | P119060 | D- 2G-0200 | PHSE | Norfolk, VA 23511-2296 |
| HF OPERATOR TRAIING | P179522 | CIVCONTR | PMNH | Merrimack, NH 03054 |
| HT STRAND | P145150 | A-495-0035 | PSS4 | Great Lakes, IL 60088 |
| HUMAN CAPITAL RESOURCES MANAGEMENT | P162018 | N/A | PDR | Monterey, CA 93943 |
| HUMAN FACTORS FOR ACCIDENT INVESTIGATORS | P169008 | CIVCONTR | PSCE | Torrance, CA 90505 |
| HUMAN SYS INTEGR-MS | P179107 | CURR 362 | PGS | Monterey, CA 93943 |
| HUMAN SYSTEMS INTEGRATION (HSI) CERTIFICATE DL | P170002 | CURR 262 PGS CBT (4CRS) | VAR | |
| HUMANITARIAN ASSISTANCE RESPONSE TRAINING (HART) | P175020 | N/A | VAR | |
| HUMANITARIAN LOGISTICS | P170476 | N/A | PCMR | Monterey, CA 93943 |
| HYDRAULIC SYS COMPONENTS | P145562 | K-652-2146 | PFC2 | Norfolk, VA 23511 |
| HYDRAULIC TEST STAND | P149117 | C-600-3248 | PFRC | NAS Jacksonville, FL 32212 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| I LEV CALIB PHASES B&D | P141065 | C-198-3034 | PNTK | Biloxi, MS 39534-2498 |
| IC APPRENTICE TECH (AEC) | P132004 | A-100-0103 | PSS2 | Great Lakes, IL 60088 |
| IC COMBINED A SCHOOL | P132021 | A-100-0097 | PSS2 | Great Lakes, IL 60088 |
| ICASS | P365006 | N/A | VAR | |
| IDENTITY MANAGEMENT CERTIFICATE | P170028 | CURR 278 PGS CBT (4CRS) | PGS | Monterey, CA 93943 |
| IHSAP-CAT A - MASTERS DEG | P169265 | S- 8G-0501 | PNOS | NCBC Gulfport, MS 39501 |
| IMA DBA/A P/L | P141326 | C-555-2015 | PNTP | Pensacola, FL 32508-5113 |
| IMPROVISED WEAPONS OF MASS DESTRUCTION CRS (IWMDC) | P122130 | N/A | PJES | Baton Rouge, LA |
| INDEPENDENT DUTY CORPSMAN SURFACE FORCE (IDC/SUR) | P175201 | B-300-0019 | PSWM | San Diego, CA 92134 |
| INFO & COMM TECH (ICT) IN DISASTER RELIEF | P170398 | N/A | PCMR | Monterey, CA 93943 |
| INFO SYS MAINT TECH | P145037 | A-150-2300 | PTC5 | San Diego, CA 92136-5588 |
| INFO SYS MGMT MBA | P179221 | CURR 870 | PGS | Monterey, CA 93943 |
| INFO SYS SECURITY ENGINEERING (ISSE) CERT OCONUS | P471031 | CURR 270 PGS DISTL OCONUS | VAR | |
| INFO SYS TECHNOLOGY-MS | P179904 | CURR 370 | PGS | Monterey, CA 93943 |
| INFORMATION & COMMUNICATION MANAGER COURSE (ICMC) | P139050 | A-202-0041 | PTC5 | San Diego, CA 92136-5588 |
| INFORMATION & COMMUNICATION MANAGER COURSE (ICMC) | P139051 | A-202-0041 | PFC3 | Norfolk, VA 23511 |
| INFORMATION ENVIRONMENT ADVANCED ANALYSIS (IEAA) | P172008 | N/A | VAR | |
| INFORMATION SCIENCES PHD 3 YR | P176007 | CURR 474 | PGS | Monterey, CA 93943 |
| INFORMATION SCIENCES PHD 4 YR | P176008 | CURR 474 | PGS | Monterey, CA 93943 |
| INITIAL NAVAL AVIATION SURVIVAL TRAINING | P117402 | B-322-0039 | PAMI | Pensacola, FL 32508 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| INITIAL NAVAL AVIATION SURVIVAL TRAINING JAX | P117432 | B-322-0039 | PASJ | NAS Jacksonville, FL 32212-0088 |
| INITIAL NAVAL AVIATION SURVIVAL TRAINING MIRAMAR | P117427 | N/A | PASM | San Diego, CA 92145-5798 |
| INITIAL NAVAL AVIATION SURVIVAL TRAINING Norfolk | P117431 | B- 9E-2441 | PASN | Norfolk, VA 23511 |
| INITIAL NAVAL AVIATION SURVIVAL TRAINING Patuxent River | P117433 | B-322-0039 | PN1X | Patuxent River, MD 20670 |
| INITIAL PREPARATORY SCREENING PROGRAM | P179198 | CIVCONTR | POTD | NAS Pensacola, FL 32508 |
| INITIAL SURVIVAL TRNG FOR OFFICER AIRCREW N1/NP1 | P117418 | B- 9E-1219 | PATS | NAS Lemoore, CA 93246-5022 |
| INSTRUCTOR DEVELOPMENT CRS | P145905 | S-062-0008 | PNST | Stennis Space Center, MS 39529 |
| INTEGRATED EVALUATION FRAMEWORK (IEF) COURSE | P159011 | N/A | POTE | Norfolk, VA 23505-1498 |
| INTEL FUSION OPERATIONS AND INTEGRATION (IFOI) | P121063 | N/A | PNST | Stennis Space Center, MS 39529 |
| INTELLIGENCE & DEMOCRACY | P171404 | N/A | PCMR | Monterey, CA 93943 |
| INTER MAINT ACT(IMA) PRODUCTION CONTROL PROCEDURES | P141167 | C-555-0043 | PTDJ | Jacksonville, FL 32212 |
| INTERDICTION OPS: MARITIME & GROUND EMERGING TECHN | P170377 | N/A | PPTE | Monterey, CA 93943 |
| INTERIOR COMM ELECT CL A | P132104 | A-623-0105 | PSS2 | Great Lakes, IL 60088 |
| INTERMEDIATE UMFO | P114048 | Q- 2D-0585 | PTWP | Pensacola, FL 32508 |
| INTERNATIONAL AIC PROFICIENCY MAINT | P121006 | A-221-0100 | PASP | San Diego, CA 92136-5588 |
| INTERNATIONAL ANTI-TERRORISM/ANTI PIRACY (IATP) | P173002 | CIVCONTR | POTD | NAS Pensacola, FL 32508 |
| INTERNATIONAL COALITION STAFF PLANNING COURSE | P171008 | J- 2G-0222 | PEWP | San Diego, CA 92155 |
| INTERNATIONAL DEFENSE ACQUISITION NEGOTIATIONS | P179069 | N/A | PATM | Monterey, CA 93943-5103 |
| INTERNATIONAL DEFENSE MANAGEMENT COURSE | P162003 | S- 00-3321 | PDR | Monterey, CA 93943 |
| INTERNATIONAL MARITIME SECURITY | P170376 | N/A | PPTE | Monterey, CA 93943 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| INTERNATIONAL MOTOR LIFEBOAT (MLB) COXSWAIN COURSE | P145076 | N/A | PCGD | Ilwaco, WA 98640 |
| INTERNATIONAL OFFICER SUPPLY COURSE (IOSCO) TRAVEL | P152003 | A- 8B-0015 | PINP | Newport, RI 02841-1208 |
| INTERNATIONAL OFFICER SUPPLY CRS (IOSCO) RESIDENT | P152011 | A- 8B-0014 | PSC3 | Newport, RI 02841-1208 |
| INTERNATIONAL PROFESSIONAL ADV LEADERSHIP (IPAL) | P171039 | N/A | POTD | NAS Pensacola, FL 32508 |
| INTERNATIONAL SMALL ARMS MAINTENANCE (ISAM) | P145904 | S-062-0007 | PNST | Stennis Space Center, MS 39529 |
| INTERNATIONAL SURFACE WARFARE OFFICER SCHOOL | P179136 | K- 2G-0036 | PSWS | Newport, RI 02841 |
| INTERNATIONAL TACTICAL COMMUNICATIONS COURSE | P145000 | N/A | PNST | Stennis Space Center, MS 39529 |
| INTERSERVICE MECHANIC APPRENTICE | P174056 | A-610-0022 | PCCH | Port Hueneme, CA 93043-4303 |
| INTL - DAMCONT ASST | P129149 | A- 4G-0021 | PSLS | Norfolk, VA 23511 |
| INTL 595 INFORMATION WARFARE-MS | P179222 | CURR 595 | PGS | Monterey, CA 93943 |
| INTL BASIC AVIATION PREP | P119311 | SPECIAL | POTD | NAS Pensacola, FL 32508 |
| INTL CIC WATCH OFFICER | P121022 | K- 2G-0390 | PSWS | Newport, RI 02841 |
| INTL HYDROGRAPHY MGT & ENG PGM (IHMEP) | P169208 | S- 8G-0500 | PNOS | NCBC Gulfport, MS 39501 |
| INTL JT MARITIME TACT DEV | P122571 | K- 2G-3120 | PSWS | Newport, RI 02841 |
| INTL LAW OF MIL OPS I-LOMO | P176027 | I-LOMO | PDI | Newport, RI 02841 |
| INTL LOG EXEC ADV DEV (ILEAD) | P171053 | A-8B-0077 | PSC5 | Newport, RI 02841-1208 |
| INTL MARITIME INTELL(IMIC) | P172003 | K- 3A-5014 | PICP | San Diego, CA 92136-5588 |
| INTL MIL LAW DEV PRG-ILOMO | P176029 | MLDP II | PDI | Newport, RI 02841 |
| INTL PATROL CRAFT OFFICER COASTAL (PCOC) | P145062 | S-062-0063 | PNST | Stennis Space Center, MS 39529 |
| INTL SENIOR OFFICER AMPHIBIOUS PLANNING (ISOAP) | P171007 | K- 2G-0039 | PEWP | San Diego, CA 92155 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| INTL SHIPYARD MGMT | P162368 | N/A | PNSD | Pearl Harbor, HI 96860-5033 |
| INTRO AIRPLANE FLYING QUALITIES | P118401 | SHORT COURSE | PNAX | Patuxent River, MD 20670 |
| INTRO ENGINEERING AIDE A SCHOOL | P174250 | A-412-0010 | PFLW | FT Leonard Wood, MO 65473-8962 |
| INTRO TO AIRCRAFT AND SYSTEMS T&E SHORT COURSE TSD | P118002 | N/A | PNAO | Orlando, FL |
| INTRO TO AIRCRAFT AND SYSTEMS TEST AND EVALUATION | P118420 | SHORT COURSE | PNAX | Patuxent River, MD 20670 |
| INTRO TO BUDGETING CONCEPTS | P156600 | N/A | PDR | Monterey, CA 93943 |
| INTRO TO EXPED LOGISTICS (INTROEXPLOG)-IEL | P152030 | A- 8B-0055 | PSC3 | Newport, RI 02841-1208 |
| INTRO TO RADIOLOGICAL AND NUCLEAR INCIDENT (IRNIR) | P319079 | MTT PDT | VAR | |
| INTRO TO UNMANNED AIR SYSTEMS (UAS) FLIGHT TEST | P118405 | SHORT COURSE | PNAX | Patuxent River, MD 20670 |
| INTRODUCTION TO CEREC AND CAD/CAM DENTISTRY | P175023 | N/A | PDCD | San Diego, CA 92136-5596 |
| INTRODUCTION TO HAZARDOUS MATERIALS (ASHORE) | P169016 | A-493-0031 | PSDC | San Diego, CA 92136-5588 |
| INTRODUCTION TO SPECIAL ACCESS PROGRAMS (SAP) | P179598 | SA101.01 | PDSN | Linthicum, MD 21090 |
| INTRODUCTORY FLIGHT SCREENING (IFS) | P119036 | C- 9B-0030 | PAVS | Pensacola, FL 32508 |
| ISC MAINTENANCE TRAINING | P179497 | CIVCONTR | PBSC | ST Louis, MO 63166-0516 |
| ISSUES IN DEFENSE GOVERNANCE | P170024 | CCMR - PR&R | PCMR | Monterey, CA 93943 |
| IT A SCHOOL | P139361 | A-202-2100 | PTTP | Pensacola, FL 32511-5138 |
| IT, MANAGEMENT AND PROGRAM MANAGEMENT | P178072 | CIVCONTR | VAR | |
| JAMOD TAC OP ENV (TACTOE) COURSE (CSEDS) | P122165 | N/A | PCSE | Moorestown, NJ 08057-0927 |
| JGSDF EXERCISE PREP | P124052 | N/A | PEWM | San Diego, CA 92155 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| JO/NCO LEADERSHIP AND PLANNING (JNPL) | P121062 | N/A | PNST | Stennis Space Center, MS 39529 |
| JOINT AND INTERAGENCY PLANNING COMBATING TERRORISM | P170029 | N/A | PCMR | Monterey, CA 93943 |
| JOINT DIVING OFFICER (JDO) | P179605 | A- 4N-0200 | PDIV | Panama City, FL 32407 |
| JOINT INFOR OPS - MS | P179042 | CURR 698 | PGS | Monterey, CA 93943 |
| JOINT MARITIME MINE WARFARE PLANNING & OPERATIONS | P171051 | A- 4E-0087 | PMWS | San Diego, CA 92136-5588 |
| JOINT MEDICAL OPERATIONS COURSE (JMOC) | P129086 | DMRTI-US002 | PDMR | Fort Sam Houston, TX 78234 |
| JOINT OPER LOGISTICS-MS | P179918 | CURR 361 | PGS | Monterey, CA 93943 |
| JOURNEYMAN EW ENGINEER CERTIFICATE OCONUS | P471013 | CURR 293 PGS DISTL (3CRS) | VAR | |
| JT ATTACK CONTROLLER ACADEMICS | P121042 | AIR NATIONAL GUARD TRNG | PSAW | Fallon, NV 89496-5000 |
| JT ATTACK CONTROLLER RANGE TRAINING | P121903 | N/A | PSTW | NAS Fallon, NV 89496-5000 |
| JT AVIA SUPPLY MT MMGMT (JASMMM) | P152088 | A- 8B-0020 | PSC3 | Newport, RI 02841-1208 |
| JTAC CONTINUATION TRAINING | P121044 | N/A | PMNG | Alpena, MI 49707 |
| JTIDS MAINTENANCE | P139234 | N/A | PSNW | San Diego, CA 92152-5001 |
| JTS ISR INTRO | P122144 | N/A | PLAN | Langley AFB, VA |
| LAMPS MK-3 RAST-MECHANICAL | P145055 | K-652-2205 | PFC2 | Norfolk, VA 23511 |
| LANDING SIGNALMAN ENL | P129101 | D-600-0506 | PHSE | Norfolk, VA 23511-2296 |
| LASER SAFETY FUNDAMENTALS | P141812 | C-602-3770 | PTDO | Oceana, VA 23460 |
| LASER SAFETY SPECIALIST (LSS) | P139455 | N/A | PDAH | Dahlgren, VA 22448-5131 |
| LAW OF ARMED CONFLICT AND HUMAN RIGHTS | P176019 | LCHR | PDI | Newport, RI 02841 |
| LCAC CRAFT CONTROL SYS MT | P145556 | K-652-0315 | PEWP | San Diego, CA 92155 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| LCAC CRAFTMASTER CREW | P124322 | K-062-0100 | PEWP | San Diego, CA 92155 |
| LCAC MECHANICAL MAINTENANCE COURSE | P145555 | K-652-0314 | PEWP | San Diego, CA 92155 |
| LEGAL ASPECTS CMBTERRORISM | P176028 | CT - PDI | PDI | Newport, RI 02841 |
| LEGAL ASPECTS OF COMBATING CORRUPTION - LCC | P176040 | LCC | PDI | Newport, RI 02841 |
| LEGAL ASPECTS OF DEF SUP OF CIVIL AUTHORITIES | P176042 | LADSCA | PDI | Newport, RI 02841 |
| LIGHT CART | P149115 | C-600-3233 | PFRC | NAS Jacksonville, FL 32212 |
| LITENING POD I-LEVEL MAINTENANCE | P179527 | CIVCONTR | PGCR | Rolling Meadows, IL 60008 |
| LITTORAL CONCEPT OF OPS AND WARGAME DEVELOPMENT | P309510 | N/A | PPTE | Monterey, CA 93943 |
| LM2500 INTERMEDIATE LEVEL MAINTENANCE TRAINING | P145119 | N/A | PNSE | Philadelphia, PA |
| LM2500 SHIPBOARD FAMILIARIZATION AND MAINTENANCE | P145128 | N/A | PNSE | Philadelphia, PA |
| LS-A SCHOOL | P152007 | A-551-1014 | PMER | Meridian, MS 39309 |
| LSO INIT FORMAL GRND TRNG | P116013 | D- 2G-0001 | PLSO | Virginia Beach, VA 23460 |
| M72 LIGHT ASSAULT WEAPONS A9 OPERATOR TRAINING | P122169 | CIVCONTR PSE | PCAZ | Florence, AZ |
| MACHINERY AND MACHINE GUARDING STANDARDS | P179243 | A-493-0073 | PSDC | San Diego, CA 92136-5588 |
| MACHINERY REPAIRMAN CLAS A | P148026 | A-702-0019 | PSS4 | Great Lakes, IL 60088 |
| MAGAZINE SPRINKLER OPS/MT | P145068 | K-041-2048 | PFCS | San Diego, CA 92136-5588 |
| MAINTENANCE MANAGER/PORT ENGINEER TRAINING PLAN | P262001 | N/A | PSAS | Sasebo, Japan |
| MANAGING ETHNIC CONFLICT AND RELIGIOUS VIOLENCE | P170030 | N/A | PCMR | Monterey, CA 93943 |
| MANP PERS TRNG ED (MPT&E) | P179204 | SPECIAL | POTD | NAS Pensacola, FL 32508 |
| MARINE AVIONICS (MV) APPRENTICE TECH TRNG (ATT) | P141327 | C-100-0056 | PNTP | Pensacola, FL 32508-5113 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MARINE GAS TURBINE INSPECTOR | P148000 | N/A | PFTC | San Diego, CA |
| MARINE GAS TURBINE TECHNICAL TRNG | P145104 | N/A | PNSE | Philadelphia, PA |
| MARITIME (GCCS-M) OPERATOR & SYSTEM ADMIN COURSE | P122801 | N/A | PSNW | San Diego, CA 92152-5001 |
| MARITIME ENGAGEMENT AND CRISIS RESPONSE (MECR) | P173800 | J- 9E-0002 | PEWL | Virginia Beach, VA 23459-2740 |
| MARITIME PREPOSITIONING FORCE STAFF PLANNING | P124112 | N30L8Q1 | PEWM | San Diego, CA 92155 |
| MARITIME SECURITY CERTIFICATE | P170018 | N/A | PPTE | Monterey, CA 93943 |
| MASTER IN PUBLIC HEALTH | P175034 | N/A | PTMD | Bethesda, MD |
| MASTER OF COST ESTIMATING AND ANALYSIS (MCEA) | P170019 | CURR 379 PGS CBT (16 CRS) | VAR | |
| MASTER OF HUMAN SYSTEM INTEGRATION | P471107 | CURR 359 PGS DISTL (16CRS) | VAR | |
| MASTER OF SCIENCE IN PROGRAM MGMT (MSPM) OCONUS | P471209 | CURR 836 PGS DISTL (17 CRS) | VAR | |
| MASTER OF SCIENCE IN PUBLIC HEALTH-MEDICAL ZOOLOGY | P175032 | N/A | PTMD | Bethesda, MD |
| MASTER OF TROPICAL MEDICINE AND HYGIENE (MTM&H) | P175033 | N/A | PTMD | Bethesda, MD |
| MASTER SCIENCE IN PUBLIC HLTH-ENVIRON HLTH SCIENCE | P175031 | N/A | PTMD | Bethesda, MD |
| MATL LOGISTICS SPT MGT - MBA | P179913 | CURR 827 | PGS | Monterey, CA 93943 |
| MECHANICAL ENGRG - MS | P177715 | CURR 570 | PGS | Monterey, CA 93943 |
| MECHANICAL ENGRG - PHD 4 YR | P179538 | CURR 570 | PGS | Monterey, CA 93943 |
| MECHANICAL MAINTENANCE COMMON CORE (GSM) | P145406 | A-652-0303 | PSS4 | Great Lakes, IL 60088 |
| MEDICAL DEPARTMENT DIVING OFFICER (MDO) | P175503 | A- 6A-0010 | PDIV | Panama City, FL 32407 |
| MET (PSOM) EXERCISE AND SKILLS SUSTAINMENT | P309375 | MET-PGS-PPTE | VAR | |
| MET (PSOM) STAGE 1: COMP INTRO SIMULATION/MODEL | P309374 | MET-PGS-PPTE | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MET A COMPREHENSIVE APPROACH TO OPERATIONS | P309439 | MET-CMR-PGS | VAR | |
| MET ACQUISITION PHASE I | P309130 | MET-ATM | VAR | |
| MET ACQUISITION PHASE II | P170004 | N/A | PATM | Monterey, CA 93943-5103 |
| MET ACQUISITION PHASE III | P309131 | MET-PATM | VAR | |
| MET ADVANCED PEACEKEEPING CONCEPT PROGRAM (APCP) | P309482 | MET - PGS | VAR | |
| MET AFRICA CIV MIL REL FOR JUNIOR MILITARY LEADERS | P309137 | MET-CMR | VAR | |
| MET AFRICA DISARM, DEMOBILIZ & REINTEGRATION (DDR) | P309138 | MET-CMR | VAR | |
| MET AFRICA LOCAL FOCUS PROGRAM ON CIV MIL REL | P309194 | MET-CMR | VAR | |
| MET AFRICA NATIONAL SECURITY PLANNING | P309195 | MET-CMR | VAR | |
| MET AFRICA SECURITY FORCES & THE ELECTORAL PROCESS | P309139 | MET-CMR | VAR | |
| MET ARMED FORCES AND HUMAN SECURITY | P279493 | MET CCMR | VAR | |
| MET CIV CNTRL ARMED FORCES | P309152 | MET-CMR | VAR | |
| MET CIVIL-MILITARY COORDINATION IN DISASTER RELIEF | P279475 | MET-CMR | VAR | |
| MET CIVIL-MILITARY LEADERSHIP IN COMBATING TERR | P309363 | MET-CMR-CT | VAR | |
| MET CIV-MIL REL PRE-SURVEY | P309073 | MET-CMR | VAR | |
| MET CIV-MIL RESP TO TERR CNTR IDEO SUPP OF TERR | P309042 | MET-CMR-CT | VAR | |
| MET CIV-MIL RESP TO TERR CONSEQUENCE MGMT | P309041 | MET-CMR-CT | VAR | |
| MET CIV-MIL RESP TO TERR INTEL & COMBAT TERR | P309043 | MET-CMR-CT | VAR | |
| MET CIV-MIL RESP TO TERR MARITIME SECURITY | P309044 | MET-CMR-CT | VAR | |
| MET CIV-MILITARY RELATIONS | P309070 | MET-CMR | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MET CMRT: BORDER SECURITY | P309227 | MET-CMR | VAR | |
| MET CMRT: MEDIA DYNAMICS & PUBLIC AFFAIRS | P309226 | MET-CMR | VAR | |
| MET CONTRACTING FOR PRE-DEPLOYMENT & DEPLOYMENT OP | P309136 | MET-ATM | VAR | |
| MET COURSE DEVELOPMENT | P309355 | MET CCMR | VAR | |
| MET CT - LEGAL ASPECTS | P309063 | CT-MET-PDI | VAR | |
| MET CT ASSESSMENT | P319027 | MET-CMR | VAR | |
| MET CT- REGIONAL CIV-MIL | P273011 | CT-MET-CMR | VAR | |
| MET CT-RESP TO TERRORISM | P309069 | CT-MET-CMR | VAR | |
| MET CYBER INCIDENT HANDLING & DISASTER RECOVERY | P309372 | MET-PGS-PPTE | VAR | |
| MET CYBER SECURITY | P309378 | MET-PGS-PPTE | VAR | |
| MET CYBER TERRORISM AND INFORMATION WARFARE | P309228 | MET-CMR | VAR | |
| MET CYBERSECURITY POLICY AND PRACTICE | P309370 | MET-CMR | VAR | |
| MET CYBERSECURITY STRATEGY DEVELOPMENT | P309470 | MET PCMR | VAR | |
| MET DEM CIV MIL REL & ROL | P309156 | MET-CMR | VAR | |
| MET DEPLOYABLE CONTINGENT MANAGEMENT COURSE (DCMC) | P309483 | MET PGS | VAR | |
| MET DEV EFF PERS MGMT POL | P309140 | MET-CMR | VAR | |
| MET DIILS ASSESS OF ISSUES | P309050 | MET-PDI | VAR | |
| MET DIILS JOINT CONUS PLAN | P176023 | MET-PDI | VAR | |
| MET DIILS SEMINAR CONUS | P176022 | MET-PDI | VAR | |
| MET DIILS SEMINARS | P309061 | MET-PDI | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MET DISASTER MANAGEMENT | P279472 | MET-PGS-PCMR | VAR | |
| MET DOMESTIC SUPPORT OPS | P309151 | MET-CMR | VAR | |
| MET DRMI (MIDMC) | P319016 | N/A | VAR | |
| MET DRMI (MIDMC) REGIONAL | P262000 | MET-PDR | VAR | |
| MET ENHANCING CMR THROUGH SSR | P309121 | MET-CMR | VAR | |
| MET ETHICS &INTEGRITY IN DEF. ACQ. DECISION MAKING | P319036 | MET-IDARM | VAR | |
| MET ETHICS AND COMBATING TERRORISM | P319037 | MET-CMR-CT | VAR | |
| MET FUNDAMENTALS OF INFORMATION TECHNOLOGY COURSE | P309397 | MET PGS | VAR | |
| MET GLOBAL COMMONS SECURITY | P319031 | MET-CMR | VAR | |
| MET INFO & COMM TECH (ICT) IN DISASTER RELIEF | P309398 | MET PGS-PCMR | VAR | |
| MET INTEL AND DEMOCRACY | P309287 | MET-CMR | VAR | |
| MET INTELLIGENCE/DEMOCRACY | P309149 | MET-CMR | VAR | |
| MET INTERDICTION OPS: MARITIME & GROUND EMERGING | P309377 | MET-PGS-PPTE | VAR | |
| MET INTERNATIONAL DEFENSE TRANSFORMATION | P309045 | MET-CMR | VAR | |
| MET INTERNATIONAL INTELLIGENCE FUSION CENTERS | P309452 | MET-CMR | VAR | |
| MET INTERNATIONAL MARITIME SECURITY | P309376 | MET-PGS-PPTE | VAR | |
| MET INTL HOMELAND DEFENSE | P309158 | MET-CMR | VAR | |
| MET INTL PROFESSIONAL ADVANCED LEADERSHIP (IPAL) | P309114 | MET-POTD | VAR | |
| MET LATAM NATL SECUR STRAT DEV PRACTICUM | P309117 | MET-CMR | VAR | |
| MET LATAM STRATEGIC LEADERSHIP | P309116 | MET- CMR | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MET LEGAL ASPECTS OF UNPKO DEPLOYMENT (LAUNPKO) | P309484 | MET PGS | VAR | |
| MET LEGISLATURE/MILITARY | P309150 | MET-CMR | VAR | |
| MET LOGISTICS AND LIFE CYCLE MANAGEMENT | P309348 | MET-ATM | VAR | |
| MET MAN SEC DIMENSIONS OF REFUGEE/IDP CRISIS | P319066 | MET-PCC | VAR | |
| MET MANAGING ETHNIC CONFLICT & RELIGIOUS VIOLENCE | P309462 | MET-PCMR-PGS | VAR | |
| MET MEDIA AND MILITARY | P309148 | MET-CMR | VAR | |
| MET NETWORK SECURITY | P309371 | MET-PGS-PPTE | VAR | |
| MET NETWORK TRAFFIC ANALYSIS | P309373 | MET-PGS-PPTE | VAR | |
| MET PEACEKEEPING OPERATIONS | P309277 | MET-PGS | VAR | |
| MET PEACEKEEPING OPERATIONS COURSE | P309157 | MET-CMR | VAR | |
| MET POLIT EXTREMISM DOM/INTL CON: SOURCES&REMEDIES | P319053 | MTT-PCMR | VAR | |
| MET PROGRAM DESIGN AND DEVELOPMENT VISIT | P309102 | MET-CMR | VAR | |
| MET PROJ MGMT: MANAGING COMPLEX DEFENSE PROJECTS | P309104 | MET-ATM | VAR | |
| MET PROT OF CIV PKO&PSO (TRAIN THE TRNR) | P309394 | N/A | VAR | |
| MET REG PREPG & RSPG TO NATL DIS IN MEGACITIES | P279477 | MTT-CMR | VAR | |
| MET REGIONAL CIV-MIL RELATIONS | P273001 | MET-CMR | VAR | |
| MET REGIONAL COOP EXERCISE 15 | P279011 | MTT-PDA-USCENTCOM | VAR | |
| MET REGIONAL DIILS | P309062 | MET-PDI | VAR | |
| MET REGIONAL HUMANITARIAN LOGISTICS | P279476 | MET-CMR | VAR | |
| MET REGIONAL IDARM | P279300 | MET-ATM | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MET REGIONAL NAVAL INTER COMMAND STAFF CSE (NICSC) | P279454 | MET-POO | VAR | |
| MET REGIONAL PROT OF CIV PKO&PSO (TRAIN THE TRNR) | P279394 | MET-PGS | VAR | |
| MET REGIONAL TRAIN THE TRAINER COURSE | P273013 | MET-CMR | VAR | |
| MET REGIONAL UN CIV-MIL COORD OFFICERS COURSE | P279068 | MET-CMR | VAR | |
| MET REGIONAL UN LOGISTICS OFFICERS COURSE | P279379 | MET-CMR | VAR | |
| MET REGIONAL UN PKO CONTINGENT COMMANDERS COURSE | P279085 | MET-CMR | VAR | |
| MET REGIONAL UN PKO OPS INSTRUCTOR COURSE | P279392 | MET-CMR | VAR | |
| MET REGIONAL UNITED NATIONS MILITARY OBSERVERS | P279046 | MET CMR | VAR | |
| MET REGIONAL UNITED NATIONS STAFF OFFICERS COURSE | P279389 | MET-CMR | VAR | |
| MET RESP TO CBRN WEAPONS TERRORISM | P309395 | MET-CMR | VAR | |
| MET STRATEGIC GAMING IN COMBATTING TERRORISM | P319073 | MET PGS | VAR | |
| MET TRAIN THE TRAINER | P309408 | MET-POO | VAR | |
| MET TRAIN THE TRAINER COURSE | P309103 | MET-CMR | VAR | |
| MET TRANSNATIONAL ORGANIZED CRIME AND TERRORISM | P309368 | MET-CMR | VAR | |
| MET UN CIV-MIL COORD OFFICERS COURSE | P309068 | MET-CMR | VAR | |
| MET UN CIV-MIL COORD OFFICERS COURSE (UN-CIMIC) | P309409 | MET-POO | VAR | |
| MET UN LOGISTICS OFFICERS COURSE | P309379 | MET-CMR | VAR | |
| MET UN PKO CONTINGENT COMMANDERS COURSE | P309485 | MET-CMR | VAR | |
| MET UN PKO OPS INSTRUCTORS COURSE | P309392 | MET-CMR | VAR | |
| MET UNITED NATIONS MILITARY OBSERVERS COURSE UNMO | P309446 | MET-CMR | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MET UNITED NATIONS SENIOR MISSION LEADERS COURSE | P309211 | MET-CMR | VAR | |
| MET UNITED NATIONS STAFF OFFICERS COURSE | P309389 | MET-CMR | VAR | |
| MET USDOJ INTL CRIM INV TRNG ASST PROGRAM (ICITAP) | P309494 | MTT-POO | VAR | |
| MET USDOJ OVS PROSEC DEV, ASST & TRNG (OPDAT) | P309468 | MET-PDA | VAR | |
| MET WOMEN & SEC POLICY WORKSHOP SENIOR-LEADERSHIP | P309421 | N/A | VAR | |
| MET WOMEN & SECURITY POLICY INTENSIVE SHORT COURSE | P309423 | N/A | VAR | |
| MET WOMEN & SECURITY POLICY WORKSHOP ACTION OFF | P309422 | N/A | VAR | |
| MET WOMEN'S INTEGRATION IN THE ARMED FORCES | P309465 | MET-CCMR-PGS | VAR | |
| METEOROLOGY AND OCEANOGRAPHY (METOC)-MS | P174235 | CURR 373 | PGS | Monterey, CA 93943 |
| MICRO ELECT REPAIR | P141660 | A-100-0073 | PFCS | San Diego, CA 92136-5588 |
| MICRO ELECT REPAIR(AVIA) | P141428 | A-100-0073 | PNAB | Norfolk, VA 23511 |
| MIL TROP MED (MTM) PH 1 | P175627 | B- 6A-1501 | PHSB | Bethesda, MD 20889-5611 |
| MIL TROP MED (MTM) PH 2 | P175628 | B- 6A-1502 | PHSB | Bethesda, MD 20889-5611 |
| MILITARY JUSTICE (MJ) | P176003 | MLDP I | PDI | Newport, RI 02841 |
| MILITARY LAW DEV PROGRAM | P176026 | MLDP I | PDI | Newport, RI 02841 |
| MINI ELECT REPAIR | P149176 | A-100-0072 | PFCS | San Diego, CA 92136-5588 |
| MINI ELECT REPAIR | P149242 | A-100-0072 | PMAY | Mayport, FL 32227 |
| MINI ELECT REPAIR(SURFACE) | P149061 | A-100-0072 | PNAB | Norfolk, VA 23511 |
| MISC COMLANT TRNG | P129PCL | N/A | VAR | |
| MK 46 MOD 5A (SW) TECHNICAL/EMPLOYMENT TRAINING | P122171 | N/A | PUSC | Newport, RI 02841-1708 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MK41 VLS BASELINE V TO VII ISEA/FSR DELTA COURSE | P195011 | N/A | PWSE | Port Hueneme, CA 93043-4307 |
| MK41 VLS FMS OPER/MAINT | P145546 | S-121-1001 | PWSE | Port Hueneme, CA 93043-4307 |
| MK41 VLS INTRODUCTION | P195135 | N/A | PWSE | Port Hueneme, CA 93043-4307 |
| MK41 VLS ISEA/FSR TRNG | P195125 | S-121-1004 | PWSE | Port Hueneme, CA 93043-4307 |
| MK45 MOD 1 & 2 5"54 CAL | P122038 | A-113-1118 | PFCS | San Diego, CA 92136-5588 |
| MK45 MOD 4 O&M DIFF | P122525 | A-113-2101 | PFCS | San Diego, CA 92136-5588 |
| MLST3 OPERATOR TRAINING | P139058 | CIVCONTR | PGCC | San Diego, CA |
| MNPWR SYS ANALYSIS-MS | P179105 | CURR 847 | PGS | Monterey, CA 93943 |
| MOBILE ELECTRIC POWER PLANT | P149116 | C-600-3220 | PFRC | NAS Jacksonville, FL 32212 |
| MODEL VIR ENVIRON -PHD 4 YR | P179537 | CURR 399 | PGS | Monterey, CA 93943 |
| MODELING & SIMULATION MANAGEMENT CONUS | P170008 | CURR 265 PGS CBT (4CRS) | VAR | |
| MODELING & SIMULATION OF RF ELECT WARFARE SYSTEMS | P131017 | N/A | PGAT | Atlanta, GA 30332-0870 |
| MODELING OF VIRTUAL ENVIRONMENTS SIMULATION-MS | P179067 | CURR 399 | PGS | Monterey, CA 93943 |
| MODELING OF VIRTUAL ENVIRONMENTS SIMULATION-PHD | P179068 | CURR 399 | PGS | Monterey, CA 93943 |
| MOS MAINT/TW | P145130 | CIVCONTR | PSNW | San Diego, CA 92152-5001 |
| MOS O&M SYLLABUS | P139337 | N/A | PSNW | San Diego, CA 92152-5001 |
| MRAP MAINTENANCE COURSE | P144144 | SPECIAL | PNST | Stennis Space Center, MS 39529 |
| MRAP OPERATOR COURSE | P120144 | SPECIAL | PNST | Stennis Space Center, MS 39529 |
| MTT - US NAVY OPERATIONAL TEST AND EVALUATION (FI) | P309467 | MTT-PDA-FI | VAR | |
| MTT AFRICAN PARTNERSHIP STATION (APS) HOST NATION | P309410 | MTT-APS | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MTT AFRICAN PARTNERSHIP STATION (APS) REGIONAL | P279410 | MTT-APS REGIONAL | VAR | |
| MTT AIM 7 (SPARROW) OPERATOR/MAINTAINER | P309221 | MTT-PWCL | PWCL | China Lake, CA 93555-6100 |
| MTT AIM 9 SIDEWINDER (MAINTENANCE) | P309220 | MTT-PWCL | PWCL | China Lake, CA 93555-6100 |
| MTT AIM-7 | P308006 | MTT-MUG | VAR | |
| MTT AIM-9M SIDEWINDER | P308005 | MTT-WCL | VAR | |
| MTT AMPHIB WARFARE INDOC | P309390 | MTT-PCP | VAR | |
| MTT AMPHIB WARFARE INDOC | P319070 | MTT PEW | VAR | |
| MTT AN/SLQ-32(V)2 OPERATIONAL MAINTENANCE TRAINING | P309456 | N/A | VAR | |
| MTT APPROACHES FOR REINTEGRATION OF EX-COMBATANTS | P309463 | MTT-CCMR-PGS | VAR | |
| MTT APS FISHERIES MANAGEMENT REGIONAL | P279332 | MTT-APS REGIONAL | VAR | |
| MTT APS MARITIME INTELL & OPS FUSION CEN (MIOFC) | P309340 | MTT-APS HOST | VAR | |
| MTT APS MARITIME INTELL COUNTER TRAFFICKING (MICT) | P309341 | MTT-APS HOST | VAR | |
| MTT APS MARITIME INTELL&OPS FUSION CEN (MIOFC) REG | P279340 | MTT-APS-REGIONAL | VAR | |
| MTT APS MARITIME INTELLIGENCE WORKSHOP (MIW) | P309339 | MTT-APS HOST | VAR | |
| MTT APS MDA INTERAGENCY OJT & MENTORING | P309330 | MTT-APS HOST | VAR | |
| MTT APS MDA INTERAGENCY OJT & MENTORING REGIONAL | P279330 | MTT-APS REGIONAL | VAR | |
| MTT ARMED FORCES AND HUMAN SECURITY | P309493 | MTT CCMR | VAR | |
| MTT AUX SELF-ASSESSMENT AND GROOM TRAINING (SAGT) | P309523 | MTT PAG | VAR | |
| MTT BQQ BSSU SUB TRNG PHS I MODRNZN TRNG (CN) | P309496 | MTT-CN-PCT | VAR | |
| MTT BQQ BSSU SUB TRNG PHS II MODRNZN TRNG (CN) | P309497 | MTT-CN-PCT | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MTT BQQ BSSU SUB TRNG PHS III MODRNZN TRNG (CN) | P309498 | MTT-CN-PCT | VAR | |
| MTT CIVIL-MILITARY COORDINATION IN DISASTER RELIEF | P309475 | MTT-CMR | VAR | |
| MTT COASTAL OPERATIONS | P309173 | S-062-0026 | VAR | |
| MTT COMBAT SYSTEMS TRAINING TEAM (CSTT) | P309437 | MTT-PAG | VAR | |
| MTT COMMUNICATION (HARRIS RADIO / 5800) | P309479 | MTT PN4 | VAR | |
| MTT CONTAINER INSPECTION | P309165 | SPECIAL CITAT | VAR | |
| MTT CREW RESOURCE MGMT INSTRUC | P309120 | MTT-PAVS | VAR | |
| MTT CSOSS | P309267 | MTT-PAG | VAR | |
| MTT DEVELOPING USER REQUIREMENTS | P309347 | MTT-PAG | VAR | |
| MTT DIESEL MAINTENANCE | P309474 | MTT PN4 | VAR | |
| MTT DIILS OCONUS HUMAN RIGHTS | P309466 | MET - PDI | VAR | |
| MTT DIILS OCONUS MARITIME LAW | P319060 | MTT-PDI | VAR | |
| MTT DIILS OCONUS MILITARY JUSTICE | P319058 | MTT-PDI | VAR | |
| MTT DIILS OCONUS OPERATIONAL LAW | P319056 | MTT-PDI | VAR | |
| MTT DIILS OCONUS PEACEKEEPING OPERATIONS | P319057 | MTT-PDI | VAR | |
| MTT DIILS OCONUS PROFESSIONAL MILITARY DEV | P319059 | MTT-PDI | VAR | |
| MTT DISASTER MANAGEMENT | P309472 | MTT-CMR | VAR | |
| MTT DIVING SUPERVISOR | P309580 | MTT-PCP | VAR | |
| MTT DOCKSIDE TACTICAL OPER ENVIRONMENT (TACTOE) | P309525 | MTT PAG | VAR | |
| MTT DOT HAZMAT CERTIFICATION COURSE | P309455 | MTT-PNA ID# HM00204 | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MTT DS30M 30MM BASIC OPERATOR MAIN TRAINING (IQ) | P309511 | MTT-PSE | VAR | |
| MTT EXPED WARFARE STAFF PLNG | P319071 | MTT PEW | VAR | |
| MTT F-105 CSOSS II | P309361 | MTT-PAG | VAR | |
| MTT HAAR GROUND COURSE | P319068 | N/A | VAR | |
| MTT HSC WEAPONS SCHOOL ATLANTIC NVG | P309393 | MTT-PCL | VAR | |
| MTT HULL MAINTENANCE | P309473 | MTT PN4 | VAR | |
| MTT HUMANITARIAN ASSISTANCE RESPONSE TRNG (HART) | P309298 | MTT-PCP | VAR | |
| MTT HUMANITARIAN LOGISTICS | P309476 | MTT-CMR | VAR | |
| MTT HYPERBARIC OXYGEN THERAPY | P309351 | MTT-PCL | VAR | |
| MTT INTRO TO OP TEST & EVAL FINLAND (INTRO TO OT) | P309354 | MTT PNA | VAR | |
| MTT INTRODUCTION TO SPECIAL ACCESS PROGRAMS (SAP) | P319598 | MTT PDS SA101.01 | VAR | |
| MTT INTRODUCTION TO WARGAMING | P309296 | MTT-PGS | VAR | |
| MTT ISSUES IN DEFENSE GOVERNANCE | P309464 | MTT-CCMR-PR&R | VAR | |
| MTT JOINT PER RECOVERY EXE FOR COMPONENTS PR 292 | P309364 | PR292 | VAR | |
| MTT JTAC SIMULATOR (LG) | P309471 | MTT-PAN-LG | VAR | |
| MTT JTAC/FAC | P309201 | MTT-PAN (AIR NAT GUARD) | VAR | |
| MTT KDX-III CDLMS | P309448 | MTT-PAG | VAR | |
| MTT KDX-III NAVSSI | P309447 | MTT-PAG | VAR | |
| MTT LASER SAFETY SPECIALIST (LSS) | P309396 | MTT-PSE | VAR | |
| MTT LEADER DEV EDUCATION SUSTAINED PEACE (LDESP) | P309420 | MTT PGS | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MTT MAINT - NAVAIR | P304012 | N/A | VAR | |
| MTT MAINTENANCE - NAVSEA | P314004 | N/A | VAR | |
| MTT MARITIME PREPOSITIONING FORCE STAFF PLANNING | P309391 | MTT-PCP | VAR | |
| MTT MARITIME PREPOSITIONING FORCE STAFF PLANNING | P319072 | MTT PEW | VAR | |
| MTT MILITARY INTELLIGENCE BASIC OFFICER (MIBOC) | P309440 | MTT PEC | VAR | |
| MTT MILITARY INTELLIGENCE FUNDAMENTALS (MIFC) | P312001 | MTT PEC | VAR | |
| MTT MILITARY INTELLIGENCE PROFESSIONALS (MIPC) | P309441 | MTT PEC | VAR | |
| MTT MINE WARFARE BAMS | P309481 | MTT-PCP | VAR | |
| MTT MTU DIESEL ENGINE TRAINING | P309444 | MTT-PSE | VAR | |
| MTT NAVAL INTER COMMAND STAFF (NICSC) HOST CTRY | P309454 | MTT-POO | VAR | |
| MTT NAVOCEANO | P309027 | MTT-PNO | VAR | |
| MTT NCAGS MOBIL TRAINING TEAM | P309353 | MTT-PDA | VAR | |
| MTT NCIS LAW ENFORCEMENT OPERATIONS SEMINARS | P309343 | MTT- PCIS | VAR | |
| MTT NITC SITE SURVEY | P309491 | MTT PNC | VAR | |
| MTT NOR-TECH 43V INTERCEPTOR | P309242 | MTT-POO | VAR | |
| MTT NPS CORE LAB MOBILE BASIC SNA I | P309885 | N/A | VAR | |
| MTT NPS CORE LAB MOBILE INTERMEDIATE SNA II | P309886 | N/A | VAR | |
| MTT ORBISOPS SITUATIONAL AWARENESS TRNG FOR COMBAT | P312000 | MTT PFI CIVCONTR | VAR | |
| MTT OTHER DOD | P319048 | MTT-PDA | VAR | |
| MTT OUTBOARD MAINTENANCE | P309478 | MTT PN4 | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MTT P-3 CONVENTIONAL WEAPONS LOADING COURSE | P309487 | MTT - PCT | VAR | |
| MTT PDSS SITE SURVEY DIVING SUPERVISOR /FAST ROPE | P309480 | MTT-PCP | VAR | |
| MTT PERSONNEL RECOVERY 296 | P309254 | PR296 | VAR | |
| MTT PERSONNEL RECOVERY 297 | P309513 | MTT PRR PR297 | VAR | |
| MTT PERSONNEL RECOVERY PR 289 | P309251 | PR289 | VAR | |
| MTT PERSONNEL RECOVERY PR 290 | P309252 | PR290 | VAR | |
| MTT PNC – PROFESSIONAL DEVELOPMENT TRAINING COURSE | P319081 | V-5G-1303G | VAR | VAR |
| MTT PREPG & RSPG TO NATL DIS IN MEGACITIES | P309477 | MTT-CMR | VAR | |
| MTT PREVENTATIVE MAINTENANCE MANAGEMENT | P319067 | MTT-K-MAI003 | VAR | |
| MTT PROF DEV: COMMAND & CONTROL (C2) LEADERSHIP | P319040 | MTT-K-PD005 CIVCONTR | VAR | |
| MTT PROFESSIONAL DEV: BASIC INSTRUCTOR TRAINING | P319039 | MTT-K-PD001 CIVCONTR | VAR | |
| MTT REG LEADER DEV EDU FOR SUSTAINED PEACE (LDESP) | P279420 | MTT PGS REGIONAL | VAR | |
| MTT REGIONAL INFO ENVIRONMENT ADV ANALYSIS (IEAA) | P279438 | MTT REGIONAL PDA | VAR | |
| MTT REGIONAL ISSUES IN DEFENSE GOVERNANCE | P279464 | MTT-CCMR-PR&R | VAR | |
| MTT REGIONAL KHAAN QUEST MULTI-NATIONAL GPOI EXER | P279435 | MTT-PDA-REGIONAL | VAR | |
| MTT RIVERINE OPERATIONS | P309172 | S-062-0025 | VAR | |
| MTT SAP MID-LEVEL SECURITY MANAGEMENT (SAP MLSM) | P319599 | MTT PDS SA201.01 | VAR | |
| MTT SCANEAGLE MAINTAINER OJT | P309543 | CIVCONTR | VAR | |
| MTT SCANEAGLE MISSION COMMANDER OJT | P309548 | CIVCONTR | VAR | |
| MTT SCANEAGLE PILOT/OPERATOR OJT | P309520 | CIVCONTR | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| MTT SECURITY LEVEL 1: ARMED SENTRY | P319038 | MTT-K-SEC001 CIVCONTR | VAR | |
| MTT SECURITY LEVEL 2: REACTION FORCE | P319051 | MTT-K-SEC002 CIVCONTR | VAR | |
| MTT SITE SURVEY NAVSCIATTS | P309171 | S-062-0024 | VAR | |
| MTT SMALL BOAT MAINTENANCE | P305010 | MTT-K-MAI002 POO | VAR | |
| MTT SMALL BOAT OPERATIONS - LEVEL 1: CS / NAV | P319052 | MTT-K-SBO001 CIVCONTR | VAR | |
| MTT SMALL BOAT OPERATIONS - LEVEL 2: PATROL OPS | P319054 | MTT-K-SBO002 CIVCONTR | VAR | |
| MTT SPECIAL OPS COMMAND PACIFIC (SOCPAC) TRAINING | P309247 | MTT-PSW | VAR | |
| MTT TRAINING NAVAIR | P309183 | NONE | VAR | |
| MTT TRNG ASSESSMENT/SURVEY | P309502 | N/A | VAR | |
| MTU DIESEL ENGINE TRAINING | P179297 | CIVCONTR | VAR | |
| MULTIPLE CRITERIA DECISION MAKING COURSE | P162012 | N/A | PDR | Monterey, CA 93943 |
| NALC OMA QA ADMIN | P141230 | C-555-0046 | PTDJ | Jacksonville, FL 32212 |
| NAMP INDOC | P141970 | C- 4D-2012 | PNGW | Milton, FL 32570-6002 |
| NATO SEASPARROW MISSILE RIM-7/RIM7P VL FAM | P195159 | CIVCONTR | PHTF | Tucson, AZ 85756 |
| NAV AV WATER SURV N9 | P117426 | B- 9E-1234 | PASM | San Diego, CA 92145-5798 |
| NAVAL AVIATION MAINT PROG MGT CRS (NAMP) | P141971 | C- 4D-2013 | PNGW | Milton, FL 32570-6002 |
| NAVAL COMMAND COLLEGE | P171001 | S- 9B-1202 | PNCC | Newport, RI 02841-1207 |
| NAVAL CONSTRUCTION FORCE OPERATIONS BASIC COURSE | P174005 | A-4A-1112 | PCEC | Port Hueneme, CA 93043-4336 |
| NAVAL GUNFIRE LIAISON OFF | P124265 | K-2G-0040 | PEWP | San Diego, CA 92155 |
| NAVAL SPECIAL WARFARE LEAD BREACHER | P122006 | K-431-0139 | PAPH | Bowling Green, VA 22427 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| NAVAL STAFF COL - 10 MONTH | P171010 | N/A | PNSC | Newport, RI 02841-1207 |
| NAVAL TACTICAL TEAM TRAINER (NTTT ) JD COURSE | P179595 | CIVCONTR | PAME | Mississauga, Ontario, CN L5N 5N1 |
| NAVAL WAR COLLEGE INSTRUCTOR (IUT) | P166013 | N/A | PNW | Newport, RI 02841-5010 |
| NAVY EXECUTIVE DEVELOP PROGRAM-STRATEGIC THINKING | P178073 | N/A | PCHN | UNC Chapel Hill, NC |
| NAVY INSTRUCTOR TRAINING COURSE (NITC) | P166311 | A-012-0077 | PNLV | Virginia Beach, VA 23461 |
| NAVY INSTRUCTOR TRAINING COURSE (NITC) | P166313 | A-012-0077 | PTC3 | San Diego, CA 92136-5588 |
| NAVY MULTI-BAND TERMINAL TRAINING | P179253 | CIVCONTR | PRYT | Sudbury, MA |
| NAVY SECURITY FORCE OFFICER (NSFO) | P173802 | A- 7H-0007 | PNAF | Chesapeake, VA 23322 |
| NAVY TRAUMA TRAINING CENTER (NTTC) PROGRAM | P175037 | B- 6A-1013 | PLAC | Los Angeles, CA 91001 |
| NETWORK SECURITY | P170371 | N/A | PPTE | Monterey, CA 93943 |
| NETWORK TRAFFIC ANALYSIS | P170373 | N/A | PPTE | Monterey, CA 93943 |
| NIGHT VISION IMAGING SYSTEMS EVALUATION TECHNIQUES | P119095 | CIVCONTR | PTPS | Mojave, CA 93502-0658 |
| NITC BUD/S PREP AND SCREENING | P124084 | N/A | POTD | NAS Pensacola, FL 32508 |
| NITC DIVE PREP AND SCREENING | PREPDIV | N/A | POTD | NAS Pensacola, FL 32508 |
| NITC EOD PREP | P122079 | SPECIAL | POTD | NAS Pensacola, FL 32508 |
| NITC FIXED-WING PILOT PREP (WHITING FIELD) | P119118 | N/A | PNWF | Milton, FL 32570 |
| NITC ROTARY PILOT PREP (WHITING FIELD) | P119119 | N/A | PNWF | Milton, FL 32570 |
| NITC SWIM PREP | PDET016 | PREP TRAINING PNC | POTD | NAS Pensacola, FL 32508 |
| NITROGEN HAND TRUCK | P149119 | C-600-3272 | PFRC | NAS Jacksonville, FL 32212 |
| NITROGEN SERVICING TRAILER | P149118 | C-600-3225 | PFRC | NAS Jacksonville, FL 32212 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| NIXIE (SLQ-25A) DEPOT LEVEL MAINTENANCE | P179274 | CIVCONTR | PGEN | Chesapeake, VA 23320 |
| NON-DEG (1 QTR - 1 CRS) | P179268 | N/A | PGS | Monterey, CA 93943 |
| NON-DEG (1 QTR - 2 CRS) | P179267 | N/A | PGS | Monterey, CA 93943 |
| NON-DEG (1 QTR - 4 CRS) | P179265 | N/A | PGS | Monterey, CA 93943 |
| NON-DEG (1QTR - 3 CRS) | P179266 | N/A | PGS | Monterey, CA 93943 |
| NON-DEG (2 QTRS-8 CRS) | P179269 | N/A | PGS | Monterey, CA 93943 |
| NON-DEG (3 QTRS - 12 CRS) | P179270 | N/A | PGS | Monterey, CA 93943 |
| NON-DEG (4 QTRS - 16 CRS) | P179271 | N/A | PGS | Monterey, CA 93943 |
| NPS CORE LAB RESIDENT BASIC SNA I | P139485 | N/A | PGS | Monterey, CA 93943 |
| NPS CORE LAB RESIDENT INTERMEDIATE SNA II | P139486 | N/A | PGS | Monterey, CA 93943 |
| NSW BASIC COMBATIVES | P124316 | K-431-0097 | PWFC | San Diego, CA 92155-5494 |
| NSW BASIC CREWMAN TRAINING (BCT) | P145952 | K-060-0030 | PWFC | San Diego, CA 92155-5494 |
| NSW DIVING SUPERVISOR | P124305 | K-431-0048 | PWFE | Imperial Beach, CA 92132 |
| NSW HEL ROPE SUSP TECH/CAST (HRST/C) MSTR CRS | P124002 | K-431-0132 | PWFE | Imperial Beach, CA 92132 |
| NSW INSTRUCTOR QUALIFICATION COURSE (IQC) | P122149 | K-431-0300 | PWFC | San Diego, CA 92155-5494 |
| NSW RANGE OPERATIONS SAFETY (ROS-CA) | P122134 | K-431-0100 | PWFE | Imperial Beach, CA 92132 |
| NSW RANGE OPERATIONS SAFETY (ROS-VA) | P122135 | K-431-0100 | PSWG | Fort Story, VA 23459 |
| NWC INTERNATIONAL FELLOWS PROGRAM | P171056 | N/A | PNW | Newport, RI 02841-5010 |
| OBS MEDICAL OFF | P1750BS | N/A | VAR | |
| OCEANOGRAPHIC OBSERV SYS | P169280 | N/A | VAR | |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| OCEANOGRAPHY - MS | P174011 | CURR 440 | PGS | Monterey, CA 93943 |
| OCEANOGRAPHY - PHD 4 YR | P174021 | CURR 440 | PGS | Monterey, CA 93943 |
| OIL ANALYSIS PROG PHY PROP | P148380 | A-491-0017 | PNTP | Pensacola, FL 32508-5113 |
| OJT AFLOAT CONUS - PACFLT | P121021 | PCP-UNCLAS | PSHP | Various |
| OJT ASHORE - LANTFLT | P129963 | PCL-OJT | VAR | |
| OJT AV8B O/I LEVEL MAINT | P14JT01 | N/A | VAR | |
| OJT AVIATION | P179247 | CIVCONTR | PVPJ | Jacksonville, FL 32212-0024 |
| OJT AVIATION OPERATIONS | P119026 | N/A | PAVS | Pensacola, FL 32508 |
| OJT AVIATION OPS - CONUS | P1190JT | N/A | VAR | |
| OJT H-60 SERIES SPECIAL TRACK TRNG | P141178 | N/A | PARJ | Jacksonville, FL 32212-0016 |
| OJT LCAC OPERATIONAL TRAINING (GAP) | P129078 | N/A | PACU | Camp Pendleton, CA 92055-5161 |
| OJT NAVSEA | P142001 | N/A | POSS | Indian Head, MD 20640-5035 |
| OJT NAVSEA | P145JT4 | N/A | PSWE | Keyport, WA 98345-7610 |
| OJT NAVSEA | P145JT8 | N/A | PFAC | Norco, CA 92860-1915 |
| OJT NAVSEA INTL SHIPYARD MGMT | P145JT0 | N/A | PNSD | Pearl Harbor, HI 96860-5033 |
| OJT NAVSPECWARCOM | P121400 | N/A | VAR | |
| OJT NAVWARCOL | P179177 | N/A | PNW | Newport, RI 02841-5010 |
| OJT P-3 SPECIAL TRACK TRNG | P141179 | N/A | PARJ | Jacksonville, FL 32212-0016 |
| OJT SUPPLY NETC | P1522JT | N/A | PSC6 | Newport, RI 02841-1208 |
| OPERATIONAL ENTOMOLOGY TRAINING (OET) | P175008 | B-322-1077 | PNDV | Jacksonville, FL |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| OPERATIONAL TEST AND EVALUATION (OT&E) COURSE | P129008 | CIVCONTR | PTPS | Mojave, CA 93502-0658 |
| OPERATIONAL TEST DIRECTOR | P159010 | N/A | POTE | Norfolk, VA 23505-1498 |
| OPERATIONS ANALYSIS-MS | P177714 | CURR 360 | PGS | Monterey, CA 93943 |
| OPERATIONS ANALYSIS-PHD | P179030 | CURR 360 | PGS | Monterey, CA 93943 |
| OPERATIONS ANALYSIS-PHD 4 YR | P179536 | CURR 360 | PGS | Monterey, CA 93943 |
| OPERATIVE DENTISTRY | P175656 | B- 6C-1020 | PDCB | Bethesda, MD 20889-5602 |
| OPERATIVE DENTISTRY | P175660 | B- 6C-1007 | PDCD | San Diego, CA 92136-5596 |
| ORAL & MAXILLOFACIAL SURGERY REVIEW FOR SURGEONS | P175017 | N/A | PDCB | Bethesda, MD 20889-5602 |
| ORAL AND MAXILLOFACIAL SURGERY TECHNIQUES | P175014 | B- 6C-1005 | PDCD | San Diego, CA 92136-5596 |
| ORAL MED, ORAL RAD AND PHARMACOLOGY | P175206 | B- 6C-1021 | PDCB | Bethesda, MD 20889-5602 |
| ORAL MEDICINE AND ORAL PATHOLOGY | P175007 | B- 6C-1008 | PDEN | San Diego, CA 92134 |
| ORAL/MAXILLOFACIAL PATHOLOGY | P175016 | B- 6C-1022 | PDCB | Bethesda, MD 20889-5602 |
| ORAL/MAXILLOFACIAL SURGERY | P175225 | B- 6C-1023 | PDCB | Bethesda, MD 20889-5602 |
| OROFACIAL PAIN | P175207 | B- 6C-0014 | PDCB | Bethesda, MD 20889-5602 |
| OROFACIAL PAIN | P175655 | B- 6C-1006 | PDCD | San Diego, CA 92136-5596 |
| OUTBOARD MOTOR OVERHAUL | P124295 | K-652-0237 | PEW1 | San Diego, CA 92155-5099 |
| OUTBOARD MTR MT & OVHL | P145906 | S-062-0009 | PNST | Stennis Space Center, MS 39529 |
| OUTBOARD MTR MT & OVHL SHORT VERSION | P145916 | N/A | PNST | Stennis Space Center, MS 39529 |
| OXYGEN CLEANLINESS INSTR | P166260 | N/A | PTRF | Kings Bay, GA 31547-2631 |
| P-3 ARMAMENT SYSTEMS ORGANIZATIONAL MAINTENANCE | P141180 | C-646-1140 | PTDW | Oak Harbor, WA 98278 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| P-3 CONVENTIONAL WEAPONS LOADING COURSE | P141137 | C-646-3573 | PTDW | Oak Harbor, WA 98278 |
| P-3 FLIGHT ENG INST (IUT) | P115014 | D-050-1003 | PVPJ | Jacksonville, FL 32212-0024 |
| P-3 FLIGHT ENGR SYS FAM | P141916 | C-050-3531 | PTDJ | Jacksonville, FL 32212 |
| P-3 IN-FLIGHT OBSERVER | P117016 | D-050-1160 | PVPJ | Jacksonville, FL 32212-0024 |
| P-3C AIP NFO CAT 1 | P114060 | D- 2D-1101 | PVPJ | Jacksonville, FL 32212-0024 |
| P3C III/AIP FLT ENG CAT 1 | P114033 | D-050-1004 | PVPJ | Jacksonville, FL 32212-0024 |
| P3C OFT SIMULATOR | P117050 | N/A | PVPJ | Jacksonville, FL 32212-0024 |
| P3C PILOT FLEET INSTRUCTOR UNDER TRAINING IUT | P115020 | D -2B-1130 | PVPJ | Jacksonville, FL 32212-0024 |
| P3C REPL FLIGHT ENG PREP | P114038 | D-050-1202 | PVPJ | Jacksonville, FL 32212-0024 |
| P3C SIMULATOR (OFT 2F87F) | P117075 | N/A | PWBP | Kaneohe Bay, HI 96863-4000 |
| P-3C STRUC HYD PWR F/C O/M | P141135 | C-603-9531 | PTDW | Oak Harbor, WA 98278 |
| P3C UDIII/AIP P-3 ENG GRD | P141055 | N/A | PVPJ | Jacksonville, FL 32212-0024 |
| P3CUDIII/AIP ENG RUSIM | P119111 | N/A | PVPJ | Jacksonville, FL 32212-0024 |
| P-8A AIRFRAME/HYDRAULIC SYS ORG MAINT COURSE (AM) | P141644 | C-603-4201 | PTDJ | Jacksonville, FL 32212 |
| P-8A ARMAMENT/ORDNANCE SYS ORG MAINT COURSE (AO) | P141649 | C-646-4201 | PTDJ | Jacksonville, FL 32212 |
| P-8A AVIONICS SYS ORG MAINT COURSE (AT) | P141654 | C-102-4201 | PTDJ | Jacksonville, FL 32212 |
| P-8A CONVENTIONAL WEAPONS LOADING COURSE (AO) | P141638 | C-646-4202 | PTDJ | Jacksonville, FL 32212 |
| P-8A ECS SAFETY EQUIPMENT ORG MAINT COURSE (AME) | P141648 | C-602-4203 | PTDJ | Jacksonville, FL 32212 |
| P-8A ELEC/INST SYS ORG MAINT COURSE (AE) | P141641 | C-602-4201 | PTDJ | Jacksonville, FL 32212 |
| P-8A FIBER OPTIC REPAIR (AT) | P141642 | C-602-4205 | PTDJ | Jacksonville, FL 32212 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| P-8A GENERAL AVIATION A-SCHOOL | P141639 | C-600-4201 | PTDJ | Jacksonville, FL 32212 |
| P-8A GENERAL FAMILIARIZATION | P8JP011 | CIVCONTR | PTDJ | Jacksonville, FL 32212 |
| P-8A POWER PLANT RELATED SYS ORG MAINT COURSE (AD) | P141643 | C-601-4201 | PTDJ | Jacksonville, FL 32212 |
| P-8A WIRE/CONNECTOR REPAIR (AE/AT) | P141653 | C-602-4204 | PTDJ | Jacksonville, FL 32212 |
| PAIN CONTROL AND NITROUS OXIDE ANXIOLYSIS | P175677 | B- 6C-2000 | PDCB | Bethesda, MD 20889-5602 |
| PASTORAL CARE RESIDENCY (PCR) ~ EAST COAST | P175011 | N/A | PNMC | Portsmouth, VA 23708 |
| PATROL CRAFT ADVANCED TRAINING (PCAT) | P145152 | N/A | PNST | Stennis Space Center, MS 39529 |
| PATROL CRAFT OFFICER RIVERINE (PCOR) | P145909 | S-062-0019 | PNST | Stennis Space Center, MS 39529 |
| PAVEMENTS | P174174 | A-730-0048 | PCCH | Port Hueneme, CA 93043-4303 |
| PEACE SUPPORT OPERATIONS MODELING (PSOM) EXERCISE AND SKILLS SUSTAINMENT | P170375 | N/A | PPTE | Monterey, CA 93943 |
| PEDIATRIC DENTISTRY & ORTHODONTICS GENERAL DENTIST | P175027 | B- 6C-1009 | PDCB | Bethesda, MD 20889-5602 |
| PERFORMANCE MANAGEMENT AND BUDGETING | P162014 | N/A | PDR | Monterey, CA 93943 |
| PERIODONTICS | P175674 | B- 6C-1010 | PDCB | Bethesda, MD 20889-5602 |
| PERIODONTICS FOR GENERAL DENTIST | P175000 | B- 6C-1110 | PDCD | San Diego, CA 92136-5596 |
| PHASED ARRAY RADAR SYSTEMS DEF 3510 | P179245 | CIVCONTR | PGAT | Atlanta, GA 30332-0870 |
| PHY MEASUREMEN/CALIBRATION | P148362 | A-670-0043 | PNT1 | Biloxi, MS 39534 |
| PLANNING JOINT LOG OVER-THE-SHORE (JLOTS) OPS | P151001 | S- 8A-0004 | PEWP | San Diego, CA 92155 |
| PNC - INTERMEDIATE LEADERSHIP COURSE | P179205 | V-5G-4302 | PCHA | Fort Jackson, SC 29207 |
| PNC- ADVANCED LEADERSHIP COURSE | P179206 | V- 5G-4304 | PCHA | Fort Jackson, SC 29207 |
| PORT ENGINEERING COURSE | P149010 | N/A | PUCG | Baltimore, MD 21226 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| PPL AIRCREW SURV EQUIP PR | P148378 | C-602-2040 | PNTP | Pensacola, FL 32508-5113 |
| PRE-CREWMAN QUALIFICATION TRAINING | P145151 | K-060-0024 | PWFC | San Diego, CA 92155-5494 |
| PREPG & RSPG TO NATL DIS IN MEGACITIES | P170477 | N/A | PCMR | Monterey, CA 93943 |
| PRESSURIZED SUBMARINE ESCAPE TRAINING | P122093 | F-063-0005 | PSUB | Groton, CT 06349-5700 |
| PRI 1 AND PRI 2 UMFO | P114047 | Q- 2D-0385:<br>Q- 2D-0485 | PTWP | Pensacola, FL 32508 |
| PRIMARY 1 UMFO | P114046 | Q- 2D-0385 | PTWP | Pensacola, FL 32508 |
| PRINCIPLES OF CONTINUOUS WAVE RADAR DEF 3508P | P122113 | PGAT | VAR | |
| PRINCIPLES OF DEFENSE ACQUISITION MANAGEMENT | P159200 | N/A | PATM | Monterey, CA 93943-5103 |
| PRINCIPLES OF DEFENSE PROCUREMENT & CONTRACTING | P159202 | N/A | PATM | Monterey, CA 93943-5103 |
| PRINCIPLES OF MODERN RADAR | P131006 | PGAT | VAR | |
| PRINCIPLES OF PULSE DOPPLER RADAR | P131023 | N/A | PGAT | Atlanta, GA 30332-0870 |
| PROFESSIONAL DEVELOPMENT OFF-SITE TRAINING COURSE | P175021 | P TAC 5G 1303 | VAR | |
| PROPELLER (SHIP) CERTIFICATION COURSE | P145117 | N/A | PSYN | Portsmouth, VA 23709 |
| PROPELLER (SHIP) VISUAL INSPECTION COURSE (REQUAL) | P145156 | N/A | PSYN | Portsmouth, VA 23709 |
| PROPUL FUEL TESTING-SHPBD | P145759 | K-821-2142 | PNA1 | Virginia Beach, VA 23459 |
| PROSTHODONTICS | P175204 | B- 6C-1025 | PDCB | Bethesda, MD 20889-5602 |
| PROSTHODONTICS | P175661 | B- 6C-1001 | PDCD | San Diego, CA 92136-5596 |
| PROTECTION OF CIV PKO & PSO (TRAIN THE TRAINER) | P170394 | N/A | PPTE | Monterey, CA 93943 |
| QUARTERMASTER CLASS A | P129519 | A-061-0012 | PSS2 | Great Lakes, IL 60088 |
| RADAR WAVEFORMS: PROP, ANALYSIS, DESIGN, & APP | P179094 | N/A | PGAT | Atlanta, GA 30332-0870 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| RANGE OPERATIONS SAFETY (ROS) | P122131 | N/A | PNST | Stennis Space Center, MS 39529 |
| RDME FBGLS RPR | P141173 | N-602-0056 | PARJ | Jacksonville, FL 32212-0016 |
| RECOGNITION AND TREATMENT OF DIVING CASUALTIES | P175002 | A- 4N-0018 | PDIV | Panama City, FL 32407 |
| RECONFIGURABLE FLIGHT TRNG DEVICE (RFTD) | P119065 | N/A | PVAW | Norfolk, VA 23511 |
| RECRUIT DIVISION COMMANDERS SCHOOL | P166023 | A-012-0037 | PTGL | Great Lakes, IL 60088 |
| REFR SURV TRNG EJECT SEAT | P117413 | B- 9E-2441 | P129 | Oak Harbor, WA 98278 |
| REFR SURV TRNG EJECT SEAT | P117415 | B- 9E-2441 | PATS | NAS Lemoore, CA 93246-5022 |
| REFRESHER SURVIVAL TRAINING EJECTION SEAT | P117013 | N/A | PAMI | Pensacola, FL 32508 |
| REFRIG/AIR COND SYS TECH | P148011 | A-720-0010 | PFC2 | Norfolk, VA 23511 |
| REG SEC STDS-(MDE,SA, SUB-SAH AFRICA) MA | P179031 | CURR 681 | PGS | Monterey, CA 93943 |
| REG SEC STUDIES (FE/SEAS/PACIF)-MA | P179032 | CURR 682 | PGS | Monterey, CA 93943 |
| REG SEC STUDIES (WESTERN HEM)-MA | P179034 | CURR 683 | PGS | Monterey, CA 93943 |
| REGIONAL SEC STUDIES (EUROPE/EURASIA) MA | P179033 | CURR 684 | PGS | Monterey, CA 93943 |
| RESCUE SWIM SCHOOL - TACT | P129154 | C-050-0600 | PAVS | Pensacola, FL 32508 |
| RESCUE SWIMMER REFRESHER | P129069 | C-050-0604 | PTDJ | Jacksonville, FL 32212 |
| RESEARCH ONLY PROGRAM | P179914 | N/A | PGS | Monterey, CA 93943 |
| RESOURCE MGT INTDEF-MBA | P179905 | CURR 820 | PGS | Monterey, CA 93943 |
| RIGID HULL INFLATABLE BOAT | P145564 | K-062-0625 | PNAB | Norfolk, VA 23511 |
| RISK MANAGEMENT | P162000 | N/A | PDR | Monterey, CA 93943 |
| ROTARY WING FLT MECH PILOT | P118301 | N/A | PNAX | Patuxent River, MD 20670 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| ROTARY WING FLT TEST ENGR | P118001 | N/A | PNAX | Patuxent River, MD 20670 |
| RULE OF LAW&DISCP MIL OPS | P176036 | S-062-0022 | PNST | Stennis Space Center, MS 39529 |
| RW FLYING QUALITIES & PERF | P118409 | SHORT COURSE | PNAX | Patuxent River, MD 20670 |
| SAFETY MANAGER COURSE | P122115 | A-493-1900 | PSFN | Norfolk, VA 23511-4399 |
| SAFETY PROGRAMS AFLOAT | P169019 | A-493-2099 | PSDC | San Diego, CA 92136-5588 |
| SAP MID-LEVEL SECURITY MANAGEMENT (SAP MLSM) | P179599 | SA201.01 | PDSN | Linthicum, MD 21090 |
| SCANEAGLE AVIATION FUNDAMENTALS | P119086 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE CERT RENEWAL COURSE (CRC) | P119074 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE FAM COURSE | P119052 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE FIELD TRAINER COURSE | P119069 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE INSITU VIDEO EXPLOITATION SYSTEM (IVES) | P119047 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE MAINTAINER TRAINING | P119043 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE MAINTENANCE TECHNICIAN ENDORSEMENT TRNG | P119122 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE MARITIME PILOT RATING (MPR) | P119120 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE MISSION COORDINATOR TRAINING | P119048 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE OPERATOR INITIAL QUALIFICATION TRAINING | P119042 | CIVCONTR | PIGI | Bingen, WA |
| SCANEAGLE OPERATOR/PILOT ENDORSEMENT TRAINING | P119121 | CIVCONTR | PIGI | Bingen, WA |
| SEARAM SYSTEM TRAINING | P195019 | CIVCONTR | PHTF | Tucson, AZ 85756 |
| SECOND CLASS DIVER | P179606 | A-433-0022 | PDIV | Panama City, FL 32407 |
| SENIOR ENLISTED ACADEMY (NON-RESIDENT) | P471019 | DISTANCE LEARNING | VAR | |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| SENIOR ENLISTED ACADEMY (RESIDENT) | P171019 | P-920-1300 | PSEN | Newport, RI 02841 |
| SENIOR ENLISTED AVIATION MAINTENANCE | P141168 | C-600-3210 | PTDJ | Jacksonville, FL 32212 |
| SENIOR EW ENGINEER CERTIFICATE OCONUS | P471014 | CURR 294 PGS DISTL (3CRS) | VAR | |
| SENIOR INTERNATIONAL DEFENSE MANAGEMENT | P162004 | S- 00-3330 | PDR | Monterey, CA 93943 |
| SENIOR MUSICIAN | P179014 | A-450-0014 | PMUS | Virginia Beach, VA 23459 |
| SENIOR STOREKEEPER MANAGEMENT | P152001 | N/A | POTD | NAS Pensacola, FL 32508 |
| SENIOR STOREKEEPER OJT | P1523JT | N/A | PSCN | Norfolk, VA |
| SENIOR STOREKEEPER OJT | P1525JT | N/A | PJAF | Jacksonville, FL |
| SH-2G PILOT SIMULATOR TRAINING | P119705 | N/A | PHAJ | Jacksonville, FL 32212 |
| SH-2G(E) SENSOR OPERATOR | P119703 | N/A | PHAJ | Jacksonville, FL 32212 |
| SH-60F/R SIMULATOR (OFT) | P119377 | N/A | PHCT | San Diego, CA 92135-7122 |
| SHPBD CBR-D OPS/TRNG SPEC | P127437 | A-495-2062 | PFL1 | FT Leonard Wood, MO 65473 |
| SHPBD DAMCONT TRNG | P127012 | K-495-0045 | PTC2 | San Diego, CA 92136-5588 |
| SIGNAL INTELLIGENCE FUNDAMENTALS (SIGINT) | P131025 | N/A | VAR | |
| SIGNAL PROCESSING REFRESHER DEF 3521P | P122111 | PGAT | VAR | |
| SM-2 MISSILE ASSEMBLY/DISASSEMBLY/INSPECTION | P195153 | CIVCONTR | PHTF | Tucson, AZ 85756 |
| SM2 MISSILE CONTAINER HANDLING | P195155 | CIVCONTR | PHTF | Tucson, AZ 85756 |
| SM-2 MISSILE THEORY OF OPERATIONS | P195152 | CIVCONTR | PHTF | Tucson, AZ 85756 |
| SM2 VLS ENCAN/DECAN | P195188 | CIVCONTR | PHTF | Tucson, AZ 85756 |
| SPACE SYSTEMS OPERATIONS (INTL) (MS) | P179910 | CURR 364 | PGS | Monterey, CA 93943 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| SPECIAL OPERATIONS -MS | P173200 | CURR 699 | PGS | Monterey, CA 93943 |
| STAFF INSTRUCTOR DEV/INSTRUCTOR UNDER TRNG (IUT) | P145149 | N/A | PNST | Stennis Space Center, MS 39529 |
| STATIC FREQUENCY CONVERTER | P149113 | C-600-3335 | PFRC | NAS Jacksonville, FL 32212 |
| STEELWORKER CORE "C" SCHOOL PIPELINE | P174007 | A-711-0030 | PCCG | Gulfport, MS 39501-5003 |
| STRATEGIC LEVEL SMALL CRAFT COMBTG TERR (SLSCCBT) | P145054 | A-062-0503 | PNS1 | Stennis Space Center, MS 39529 |
| STRATEGIC STUDIES | P179035 | CURR 688 | PGS | Monterey, CA 93943 |
| STS OPER MAINT | P141330 | C-602-4869 | PTDO | Oceana, VA 23460 |
| SUB FORCE QUAL ASSUR INSP | P124012 | A-557-0082 | PSTP | Pearl Harbor, HI 96860 |
| SUBMARINE ESCAPE | P122092 | F-000-0080 | PSUB | Groton, CT 06349-5700 |
| SUBMARINE SAFETY TRAINING | P122168 | N/A | PSUB | Groton, CT 06349-5700 |
| SUPPLY CHAIN MGMT - MBA | P179907 | CURR 819 | PGS | Monterey, CA 93943 |
| SUPPLY CORPS OFF BAS QUAL (BQC) | P152010 | A- 8B-0012 | PSC3 | Newport, RI 02841-1208 |
| SUPPLY INTERNSHIP OJT MECHANICSBURG | P1521JT | N/A | PINC | Mechanicsburg, PA |
| SUPPLY INTERNSHIP OJT Norfolk | P1524JT | N/A | PSCN | Norfolk, VA |
| SUPPLY OFFICER DEPT HEAD (SODHC) | P152089 | A-8B-0017 | PSC3 | Newport, RI 02841-1208 |
| SURFACE RESCUE SWIMMER C1 | P129178 | C-050-0500 | PTDN | San Diego, CA 92136-5588 |
| SURFACE RESCUE SWIMMER C1 | P129491 | A-050-0500 | PHMR | Jacksonville, FL 32212 |
| SURFACE WARFARE OFFICER ADV DIESEL ENGINEERING | P145488 | A- 4H-0160 | PSWS | Newport, RI 02841 |
| SURVIVAL TRNG R4/RP4 | P117417 | B- 9E-1204 | PATS | NAS Lemoore, CA 93246-5022 |
| SWCC CREWMAN QUAL TRNG (CQT) | P145953 | K-060-0032 | PWFC | San Diego, CA 92155-5494 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| SWCC ORIENTATION | P145949 | K-060-0010 | PWFC | San Diego, CA 92155-5494 |
| SWIMMING PREP (NMOTC) | P124085 | N/A | PAMI | Pensacola, FL 32508 |
| SWO ADV GAS TURBINE ENGRG | P145486 | A- 4H-0158 | PSWS | Newport, RI 02841 |
| SWO PEO GAS TURBINE | P145004 | A- 4H-0064 | PSWS | Newport, RI 02841 |
| SYSTEM ACQUIS MGMT -MBA | P179909 | CURR 816 | PGS | Monterey, CA 93943 |
| SYSTEMS ANALYSIS CERTIFICATE (SA CERT) OCONUS | P471216 | CURR 281 PGS DISTL (4 CRS) | VAR | |
| SYSTEMS ENGINEERING AND ANALYSIS-MS | P174015 | CURR 308 | PGS | Monterey, CA 93943 |
| SYSTEMS ENGINEERING PHD 3 YR | P170025 | CURR 581 | PGS | Monterey, CA 93943 |
| SYSTEMS ENGINEERING PHD 4 YR | P170035 | CURR 581 | PGS | Monterey, CA 93943 |
| SYSTEMS ENGINEERING-MS | P174270 | CURR 580 | PGS | Monterey, CA 93943 |
| T&E 4204 FLIGHT TEST OF RADAR/ELECTRONIC WARFARE | P119097 | N/A | PTPS | Mojave, CA 93502-0658 |
| T&E 4207 ELECTRO-OPTIC & INFRARED SYS FLIGHT TEST | P129070 | CIVCONTR | PTPS | Mojave, CA 93502-0658 |
| T-44C E-2/C-2 INTERMEDIATE MPTS (CTW4) | P111021 | Q-2A-0175 | PTWC | Corpus Christi, TX 78419-5242 |
| T-45 COMBINED MPTS | P111109 | N/A | PTWM | Meridian, MS 39305 |
| T-45 COMBINED MPTS (CTW1) | P111022 | Q-2A-0167;<br>Q-2A-1167 | PTWM | Meridian, MS 39305 |
| T-45 COMBINED MPTS (CTW2) | P111026 | Q- 2A-5167;<br>Q- 2A-4167 | PTWT | Kingsville, TX 78363 |
| T-45 COMBINED STRIKE FLIGHT INSTRUCTOR CURRICULUM | P115019 | Q-2A-0016 | PTWM | Meridian, MS 39305 |
| T-45 E-2/C-2 ADVANCED FLIGHT TRAINING (CTW1) | P111023 | Q-2A-0176 | PTWM | Meridian, MS 39305 |
| T-45 E-2/C-2 ADVANCED FLIGHT TRAINING (CTW2) | P111025 | Q-2A-1176 | PTWT | Kingsville, TX 78363 |

# COURSE LISTING BY TITLE

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Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| T-6B JOINT PRIMARY PILOT TRAINING (JPPT) | P112005 | Q- 2A-0417 | PTWV | Milton, FL 32570-6017 |
| T-6B PRIMARY FLIGHT INSTRUCTOR TRAINING | P112008 | Q- 2A-0127 | PTWV | Milton, FL 32570-6017 |
| T700-GE401 ENG INT MT IST | P141833 | C-601-4408 | PTDN | San Diego, CA 92136-5588 |
| T700-GE-401/401C ENGINE INTER MAINT COURSE 1ST | P141207 | C-601-4408 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE ADP | P179608 | C-102-0135 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE HF | P149035 | TACMOBILE HF | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE MISSION PLANNING COURSE (TMPC) | P129121 | C-101-2025 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE MOBILE FUNDAMENTALS (TMF) | P129120 | C-101-0024 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE PRC-117G | P149036 | C-101-0046 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE SYSTEM OPERATOR (TMSO) | P129122 | C-210-0363 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE TACMASS MAINTENANCE | P149034 | C-102-0132 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE TADIL | P179609 | C-101-0308 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE TADIL | P8JP019 | C-101-0308 | PTDJ | Jacksonville, FL 32212 |
| TACMOBILE WATCH OFFICER (TMWO) | P129123 | C- 2G-0367 | PTDJ | Jacksonville, FL 32212 |
| TACTICAL AIR CONTROL PARTY | P124514 | N036741 | PLAM | Virginia Beach, VA 23459-2740 |
| TACTICAL AIR CONTROL PARTY | P124520 | N306741 | PEWM | San Diego, CA 92155 |
| TACTICAL FIREARMS TEAM TRNG/QUICK SHOT | P179295 | CIVCONTR | PFCC | NAS North Island, CA 92135 |
| TACTICAL PATROL LEADER (TPL) | P124082 | N/A | PNST | Stennis Space Center, MS 39529 |
| TACTICAL SUPPORT COMMUNICATIONS MAINT (TSCOMM) | P149022 | C-101-0817 | PTDJ | Jacksonville, FL 32212 |
| TACTICAL SUPPORT COMMUNICATIONS OPERATOR (TSCOMM) | P139057 | J-201-0816 | PTDJ | Jacksonville, FL 32212 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| TARGET TRACKING CONCEPTS DEF 3519P OR 3520 | P122110 | PGAT | VAR | |
| TARGET TRACKING IN SENSOR SYSTEMS (DEF 3520) | P179273 | CIVCOMTR | VAR | |
| TECHNICAL TRAINING IN ELECTRICITY AND ELECTRONICS | P179612 | TCHTRELEC | POTD | NAS Pensacola, FL 32508 |
| TECHNICAL TRAINING IN LOGISTICS/SUPPLY | P179614 | TCHTRLOG | POTD | NAS Pensacola, FL 32508 |
| TECHNICAL TRAINING IN MECHANICS | P179613 | TCHTRMECH | POTD | NAS Pensacola, FL 32508 |
| TECHNICAL WELDING AND APPLIED REPAIRS (TWAR) | P145903 | S-062-0006 | PNST | Stennis Space Center, MS 39529 |
| TECHNOLOGIES FOR INFORMATION OPERATIONS | P179220 | N/A | PGS | Monterey, CA 93943 |
| TOEFL TEST | P366361 | N/A | VAR | |
| TOW TRACTOR | P149114 | C-600-3334 | PFRC | NAS Jacksonville, FL 32212 |
| TRAINING SHIP SIMULATOR (TSS) TRAINING COURSE | P179594 | CIVCONTR | PAME | Mississauga, Ontario, CN L5N 5N1 |
| TRAIN-THE-TRAINER COURSE (T-3) | P179603 | N/A | PCMR | Monterey, CA 93943 |
| TRANSP STOW HAZ MAT | P153010 | A-822-0012 | PSC3 | Newport, RI 02841-1208 |
| TRANSPORTATION OPERATIONS | P174172 | A-730-0046 | PCCH | Port Hueneme, CA 93043-4303 |
| TRAUMA TRAINING FOR INTERNATIONAL MEDICAL FORCES | P175036 | N/A | PLAC | Los Angeles, CA 91001 |
| TRNG TROPICAL MED & TRAVELERS HEALTH (USU-ASTMH) | P175038 | N/A | PTMD | Bethesda, MD |
| U-36 SIMULATOR | P128011 | CIVCONTR | PFST | Tucson, AZ 85756 |
| UAS OPERATIONS AND PLANNING (UASOP) | P119085 | N/A | PNST | Stennis Space Center, MS 39529 |
| UHF SYSTEMS TECHNICIAN | P139224 | A-101-0138 | PNAB | Norfolk, VA 23511 |
| UMFO ADV MC2-MPR | P114039 | Q- 2D-0171;<br>Q- 2D-2171 | PTWP | Pensacola, FL 32508 |
| UMFO MC2 ADVANCED MC2 CORE | P119094 | Q- 2D-0171 | PTWP | Pensacola, FL 32508 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| UN PKO CONTINGENT COMMANDERS RESIDENT COURSE | P179085 | GPOI-CCMR | PCMR | Monterey, CA 93943 |
| UN PKO OPS INSTRUCTORS RESIDENT COURSE | P179048 | GPOI-CCMR | PCMR | Monterey, CA 93943 |
| UNDERGRADUATE PILOT T-6 SYSTEMS PREP TRAINING | P119061 | N/A | POTD | NAS Pensacola, FL 32508 |
| UNDERSEA WARFARE INTL-MS | P179911 | CURR 526 | PGS | Monterey, CA 93943 |
| UNIT ENHANCEMENT TRAINING | P132010 | N/A | PMBC | Twentynine Palms, CA |
| UNITED NATIONS SENIOR MISSION LEADERS COURSE (SML) | P179275 | GPOI-CCMR | PCMR | Monterey, CA 93943 |
| UNREP E/E CONTROLS MAINT | P149302 | J-690-0029 | PNA1 | Virginia Beach, VA 23459 |
| UNREP MECH & HYD COMP MT | P149303 | J-690-0028 | PNA1 | Virginia Beach, VA 23459 |
| US REGIONAL COOP EXERCISE 14 | P279079 | US REG TLA PDA | VAR | |
| USMC SE ELEC/REF | P141171 | C-602-7032 | PTDJ | Jacksonville, FL 32212 |
| USMC SE MECH | P141172 | C-602-7040 | PTDJ | Jacksonville, FL 32212 |
| V/U & HF MAINTENANCE TRAINING | P179523 | CIVCONTR | PMNH | Merrimack, NH 03054 |
| V/UHF OPERATOR TRAINING | P179524 | CIVCONTR | PMNH | Merrimack, NH 03054 |
| V-22 AIRCRAFT FAMILIARIZATION (INITIAL) ORG MAINT | P119078 | C-600-3626 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 AIRCRAFT WIRING SYS FAULT DIAG REPAIR ORG MT | P141321 | C-602-3626B | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 AIRFRAMES (INITIAL) ORG MAINT COURSE | P141259 | C-603-3627A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 AIRFRAMES TRANSITIONAL ORGANIZATIONAL MAINT | P119076 | C-603-3629 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 AVIONICS SYSTEM (INITIAL) ORG MAINT COURSE | P141262 | C-102-3627A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 AVIONICS SYSTEMS (TRANSITION) ORG MAINTENANCE | P119079 | C-102-3628 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 BASIC MECHANICS (INITIAL) ORGL MAINT COURSE | P141214 | C-601-3627A | PHMJ | Jacksonville, NC 28545-1036 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| V-22 COCKPIT MANAGEMENT SYS (INITIAL) ORG MAINT | P141338 | C-198-3626A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 COCKPIT MGT SYS TRANSITIONAL ORG MAINT | P119081 | C-198-3630 | PHMJ | Jacksonville, NC 28545-1036 |
| V22 ECS (INITIAL) ORG MAINT COURSE | P141215 | C-601-3628A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 ELECTRICAL SYS TRANSITIONAL ORG MAINTENANCE | P119082 | C-102-3631 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 ELECTRICAL SYSTEMS (INITIAL) ORG MAINT COURSE | P141317 | C-102-3626A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 ELECTRONIC WARFARE SYSTEM (INITIAL) ORG MAINT | P141264 | C-102-3630 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 FLIGHT CONTROL SYS TRANSITIONAL ORG MAINT | P119075 | C-198-3629 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 FLIGHT CONTROL SYSTEMS (INITIAL) ORG MAINT | P141339 | C-198-3628A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 FORWARD LOOKING INFRARED (INITIAL) ORG MAINT | P141311 | C-102-3629A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 HYDRAULIC SYSTEMS (INITIAL) ORG MAINT COURSE | P141253 | C-603-3626A | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 MECHANICS TRANSITIONAL ORGANIZATIONAL MAINT | P119077 | C-601-3629 | PHMJ | Jacksonville, NC 28545-1036 |
| V-22 POWERPLANT REL SYS (INITIAL) ORG MAINT CRS | P141250 | C-601-3626A | PHMJ | Jacksonville, NC 28545-1036 |
| VLS MK41 O/M BASELIII | P122061 | A-121-0522 | PFCS | San Diego, CA 92136-5588 |
| VLS MK41 OPS/MT (SP SP) | P195992 | A-121-0571 | PFCS | San Diego, CA 92136-5588 |
| VLS MK41 OPS/MT/MAG SPKLR | P195154 | CIVCONTR | PLMB | Baltimore, MD 21220 |
| VLS OPERATION AND MAINTENANCE/MAGAZINE SPRINKLER | P122127 | N/A | PFCS | San Diego, CA 92136-5588 |
| WATERBORNE INSTRUCTOR COASTAL (WIC-C) | P145118 | N/A | PNST | Stennis Space Center, MS 39529 |
| WATERBORNE INSTRUCTOR COURSE RIVERINE | P145083 | S-062-0030 | PNST | Stennis Space Center, MS 39529 |
| WOMEN & SECURITY POLICY WORKSHOP SENIOR-LEADERSHIP | P170421 | N/A | PPTE | Monterey, CA 93943 |
| WOMEN AND SECURITY POLICY INTENSIVE SHORT COURSE | P170423 | N/A | PPTE | Monterey, CA 93943 |

# COURSE LISTING BY TITLE

The courses are listed here in alphabetical order. See Section VII "Course Description by MASL" for course description.

Updated: Friday, January 29, 2016

| Course Title | MASL No | CIN | LOC Code | Location Name |
|---|---|---|---|---|
| WOMEN AND SECURITY POLICY WORKSHOP FOR ACTION OFF | P170422 | N/A | PPTE | Monterey, CA 93943 |
| WORKING IN THE SAME SPACE | P170023 | CCMR - PR&R | PCMR | Monterey, CA 93943 |

# Navy Course Listing by MASL

**Updated: Friday, January 29, 2016**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P111021** | Q-2A-0175 | U | T-44C E-2/C-2 INTERMEDIATE MPTS (CTW4) | 15.8 | PTWC | Corpus Christi, TX 78419-5242 |

**ECL:** 80 **EIMET:** No

**** THIS IS HIGH RISK, HIGH COST TRAINING **** FLT HRS: 45.3 SIM HRS: 28.5 CQ: The mission of Intermediate E-2/C-2 MPTS is to develop multi-engine flight skills while emphasizing instrument flying and crew coordination. At the successful completion of this phase of aviation training, the student will enter Advanced E-2/C-2 MPTS training.

**PRE-REQUISITE:** T-44C E-2/C-2 INTERMEDIATE MPTS ****THIS IS HIGH RISK, HIGH COST TRAINING. REVIEW T-MASL ITEM NOTE LIST CAREFULLY**** P119301, AVIATION PREFLIGHT INDOCTRINATION, Q-9B-0020) and P112005, T-6B JOINT PRIMARY PILOT TRAINING (JPPT), Q-2A-0417

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P111022** | Q-2A-0167; Q-2A-1167 | U | T-45 COMBINED MPTS (CTW1) | 53.2 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

T-45 COMBINED MPTS (CTW1) (CNATRAINST 1542.167A) **** THIS IS HIGH RISK/HIGH COST TRAINING ***** FLT HRS: 151.0 SIM HRS: 103.0 CQ HRS: 4.2 - T-45 Combined Multi-service Pilot Training System (MPTS) is designed to provide commissioned officers in the U.S. Navy, U.S. Marine Corps, and selected foreign nationals with further training in areas associated with tactical jet aircraft and to develop airmanship skills prerequisite for transition to operational fleet aircraft.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P111023** | Q-2A-0176 | U | T-45 E-2/C-2 ADVANCED FLIGHT TRAINING (CTW1) | 33.8 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

T-45 E-2/C-2 ADVANCED FLIGHT TRAINING (CTW1) (CNATRAINST 1542.176) **** THIS IS HIGH RISK, HIGH COST TRAINING **** FLT HRS: 85.0 SIM RS: 87.2 CQ HRS: 4.2 - T-45 E-2/C-2 Advanced Flight Training Curriculum is designed to provide commissioned officers in the U.S. Navy and selected foreign national with further training in areas associated with visual and instrument conditions and to develop airmanship skills prerequisite for transition to operational fleet aircraft and carrier-based environments.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P111025** | Q-2A-1176 | U | T-45 E-2/C-2 ADVANCED FLIGHT TRAINING (CTW2) | 34.2 | PTWT | Kingsville, TX 78363 |

**ECL:** 80 **EIMET:** No

**** THIS IS HIGH-COST/HIGH-RISK TRAINING **** FLT HRS: 85.0 SIM HRS: 87.2 CQ HRS: 4.2 - T-45 E-2/C-2 Advanced Flight Training Curriculum is designed to provide commissioned officers in the U.S. Navy and selected foreign national with further training in areas associated with visual and instrument conditions and to develop airmanship skills prerequisite for transition to operational fleet aircraft and carrier-based environments.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P111026** | Q- 2A-5167; Q- 2A-4167 | U | T-45 COMBINED MPTS (CTW2) | 51.6 | PTWT | Kingsville, TX 78363 |

**ECL:** 80 **EIMET:** No

**** THIS IS HIGH-RISK/HIGH-COST TRAINING **** FLT HRS: 150.0 SIM HRS: 103.0 CQ HRS: 4.2 T-45 Combined Multi-service Pilot Training System (MPTS) is designed to provide commissioned officers in the U.S. Navy, U.S. Marine Corps, and selected foreign nationals with further training in areas associated with tactical jet aircraft and to develop airmanship skills prerequisite for transition to operational fleet aircraft.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P111109** | N/A | U | T-45 COMBINED MPTS | 48 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

T-45 COMBINED MULTI-SERVICE PILOT TRNG (MPTS) (CNATRAINST 1542.167A and CNATRA Notice 1542) FLT HRS: 145.0 SIM HRS: 95.9 CQ HRS: 0.0 THIS COURSE DOES NOT INCLUDE CARRIER QUALIFICATION - This course combines Q-2A-0396 Intermediate Jet; Q-2A-0392 Intermediate E-2/C-2; Q-2A-0397 Advanced Strike Course designed to provide commissioned officers in the U.S. Navy, U.S. Marine Corps, other DOD personnel, and selected foreign nationals with further training in areas associated with tactical jet aircraft and to develop airmanship skills prerequisite for transition to operational fleet aircraft.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P111300** | PCA SPECIAL | U | AVTRA T-45 COMBINED MPTS (SPECIAL) | 36 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

AVTRA T-45 COMBINED MPTS (SPECIAL) **** THIS IS HIGH-RISK/HIGH COST TRAINING **** FLT HRS: 95.4 SIM HRS: 67.5 CQ HRS: 4.2 - T-45 COMBINED MULTI-SERVICE PILOT TRAINING SYSTEM (MPTS) (CNATRAINST 1542.167). T-45 IS DESIGNATED TO PROVIDE SELECTED IMS WITH FURTHER TRAINING IN AREAS ASSOCIATED WITH TACTICAL JET AIRCRAFT AND TO DEVELOP AIRMANSHIP SKILLS PERQUISITE FOR TRANSITION TO OPERATIONAL FLEET AIRCRAFT.

**PRE-REQUISITE:** P112005 (T-6B JOINT PRIMARY PILOT TRAINING (JPPT)) and P128003 (CENTRIFUGE-BASED FLT ENVIRON TRAINER (CFET) (NP5)) PER SECNAVINST 3710.7U

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P112000** | CIVCONTR | U | C-130 PILOT TRAINING COURSE | 11 | VAR | |

**ECL:** 80 **EIMET:** No

C-130/L-382 pilot initial/transition This course introduces qualified pilots to the C-130/L-382 systems, flight characteristics and accepted operating procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P112005** | Q- 2A-0417 | U | T-6B JOINT PRIMARY PILOT TRAINING (JPPT) | 28.4 | PTWV | Milton, FL 32570-6017 |

**ECL:** 80 **EIMET:** No

T-6B JOINT PRIMARY PILOT TRAINING (JPPT) (CNATRAINST 1542.166A) FLT HRS: 69.3 SIM HRS: 48.1 CQ HRS: 0.0 - JPPT IS DESIGNED TO QUALIFY GRADUATES FOR FOLLOW-ON ADVANCED FLIGHT TRAINING AND TO PREPARE THEM FOR THEIR FUTURE MILITARY RESPONSIBILITIES AS MILITARY OFFICERS.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P112008** | Q- 2A-0127 | U | T-6B PRIMARY FLIGHT INSTRUCTOR TRAINING | 16.6 | PTWV | Milton, FL 32570-6017 |

**ECL:** 80 **EIMET:** No

T-6B PRIMARY FLIGHT INSTRUCTOR TRAINING (CNATRAINST 1542.165A) FLT HRS: 51.4 SIM HRS: 26.0 CQ HRS: 0.0 - T-6B PRIMARY FLIGHT INSTRUCTOR TRAINING IS DESIGNED TO PROVIDE NAVAL AVIATORS AND MILITARY PILOTS WITH THE APPROPRIATE FLIGHT PROCEDURES AND INSTRUCTIONAL METHODOLOGY TO INSTRUCT UNDERGRADUATE U.S. AND INTERNATIONAL MILITARY FLIGHT STUDENTS IN THE PRIMARY PHASE OF FLIGHT TRAINING. REQUEST FOR DEVIATIONS OF THIS INSTRUCTION SHALL BE FORWARDED TO CNATRA N71. PROGRAM DESIGNED TO ASSIST THE U.S. NAVY'S UNDERGRADUATE AVIATION TRAINING PROGRAM BY USING USN TRAINED INTERNATIONAL PILOTS OR FLIGHT OFFICERS AS AVIATION INSTRUCTORS AT VARIOUS TRAINING AIR WINGS. INSTRUCTOR CANDIDATES, ONCE SATISFACTORILY COMPLETING THE PRESCRIBED INSTRUCTOR UNDER TRAINING (IUT) SYLLABUS OR FLIGHT INSTRUCTOR CURRICULUM, MAY PROVIDE ASSISTANCE TO THE U.S. NAVY FOR TRAINING BOTH U.S. AND INTERNATIONAL MILITARY STUDENTS (IMS's) AS AVIATORS. WHEN QUALIFIED, INTERNATIONAL INSTRUCTORS ARE AFFORDED THE OPPORTUNITY TO GAIN VALUABLE KNOWLEDGE AND EXPERIENCE IN TRAINING OPERATIONS, MANPOWER MANAGEMENT, OFFICER RESPONSIBILITIES, AND AVIATION SAFETY. FLIGHT GEAR COSTS ARE THE RESPONSIBILITY OF THE INSTRUCTOR CANDIDATES HOME COUNTRY.

**PRE-REQUISITE:** MUST BE DESIGNATED A NAVAL AVIATOR OR MILITARY PILOT.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P112304** | Q- 2A-0391 | U | ADV MULTI-ENG MPTS - USN | 23 | PTWC | Corpus Christi, TX 78419-5242 |

**ECL:** 80 **EIMET:** No

FLT HRS: 81.8 SIM HRS: 24.0 CQ: 0.0 THE MISSION OF ADVANCED MULTI-ENGINE MPTS IS TO DEVELOP PROFICIENCY IN MULTI-ENGINE FLIGHT, ADVANCED INSTRUMENTS, CREW RESOURCE MANAGEMENT/PILOT-IN-COMMAND PROFICIENCY, AND TRACK SPECIFIC TACTICS. AT THE SUCCESSFUL COMPLETION OF THIS PHASE OF AVIATION TRAINING, THE U.S. NAVY, AND SELECTED INTERNATIONAL MILITARY STUDENT (IMS) FLIGHT STUDENT WILL BE QUALIFIED IN MULTI-ENGINE AIRCRAFT, AND WILL HAVE EARNED A STANDARD INSTRUMENT RATING.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P113301** | Q- 2A-0015 | U | AVTRA ADV HELO MPTS | 29.6 | PTWV | Milton, FL 32570-6017 |

**ECL:** 80 **EIMET:** No

ADVANCED HELICOPTER MULTI-SERVICE PILOT TRAINING SYSTEM (MPTS) PER CNATRAINST 1542.156C. FLT HRS: 114.4 SIM HRS: 41.6 CQ HRS: 0.0 - THE MISSION OF THIS TRAINING IS TO TEACH THE SKILLS NECESSARY FOR FLYING ROTARY-WING AIRCRAFT AND TO QUALIFY STUDENT NAVAL AND MILITARY AVIATORS AND SELECTED INTERNATIONAL MILITARY STUDENTS (IMS) FOR ROTARY-WING DESIGNATION AND A STANDARD INSTRUMENT RATING

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P113314** | SPECIAL | U | AVTRA TH-57 SIMULATOR | 1 | PTWV | Milton, FL 32570-6017 |

**ECL:** 80 **EIMET:** No

AVTRA TH-57 SIMULATOR SIM HRS: 7.5 - TH-57 simulator training. Training tailored for individual country requirements.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114033** | D-050-1004 | U | P3C III/AIP FLT ENG CAT 1 | 26.4 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 85 **EIMET:** No

To train the Category I Fleet Replacement Flight Engineer in the Flight and operating characteristics of the P-3 aircraft. Emphasis is placed in developing knowledge of aircraft systems operation, area coordination, normal and emergency procedures and weapons systems utilization in an operational environment.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114038** | D-050-1202 | U | P3C REPL FLIGHT ENG PREP | 3.6 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 80 **EIMET:** No

This course provides the training necessary for the prospective P-3C Flight Engineers to successfully complete P-3 Flight Engineer Systems Familiarization C-050-3531. The academic instruction consists of: Aircraft Systems, Normal and Emergency Procedures, Flightline Safety, Six Procedures Trainers

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P114039** | Q- 2D-0171; Q- 2D-2171 | U | UMFO ADV MC2-MPR | 20.4 | PTWP | Pensacola, FL 32508 |
| **ECL:** 80 | | | | **EIMET:** No | | |

UMFO ADV MC2-MPR (CNATRAINST 1542.171) FLT HRS: 0.0 SIM HRS: 75.0 CQ: 0.0 Course Description: UMFO Advanced MC2 Core and UMFO Advanced MC2 MPR Training System Curriculum per CNATRAINST 1542.171. Course mission: The mission of UMFO Advanced MC2 training is to qualify Student Naval Flight Officer (NFO) graduates for follow-on advanced flight training and prepare them for their future responsibilities as military officers. At the successful completion of this syllabus, the student will be designated a Naval Flight Officer. Long Title: "Undergraduate Military Flight Officer (UMFO) Advanced Maritime Command and Control (MC2) Training System - Advanced MC2 Core, and UMFO MC2 Advanced Maritime Patrol and Reconnaissance (MPR)" SIM HRS Breakdown: UMFO MC2 Core: 34.5/UMFO MC2 ADV MPR: 40.5

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114046** | Q- 2D-0385 | U | PRIMARY 1 UMFO | 17.8 | PTWP | Pensacola, FL 32508 |
| **ECL:** 80 | | | | **EIMET:** No | | |

PRIMARY 1 UNDERGRADUATE MILITARY FLIGHT OFFICER (UMFO) TRAINING SYSTEM CURRICULUM (CNATRAINST 1542.162) FLT HRS: 29.0 SIM HRS: 28.5 CQ HRS: 0.0 Course Description: PRIMARY 1 UMFO TRAINING SYSTEM CURRICULUM PER CNATRAINST 1542.162 (FOR P-3/8, EP-8 AND E-6 AIRCRAFT TRAINING PATH). COURSE MISSION: PRIMARY 1 IS DESIGNED TO QUALIFY GRADUATE OF THIS COURSE FOR FOLLOW-ON ADVANCED FLIGHT TRAINING AND PREPARE THEM FOR THEIR FUTURE RESPONSIBILITIES AS MILITARY OFFICERS.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114047** | Q- 2D-0385: Q- 2D-0485 | U | PRI 1 AND PRI 2 UMFO | 21.2 | PTWP | Pensacola, FL 32508 |
| **ECL:** 80 | | | | **EIMET:** No | | |

PRIMARY 1 AND 2 UNDERGRADUATE MILITARY FLIGHT OFFICER (UMFO) TRAINING SYSTEM CURRICULUM. CNATRAINST 1542.162 FLT HRS: 40.0 SIM HRS: 34.5 CQ HRS: 0.0 Description: PRIMARY 1 AND 2 UMFO TRAINING SYSTEM CURRICULUM PER CNATRAINST 1542.162. COURSE MISSION: PRIMARY 1 AND 2 UMFO IS DESIGNED TO QUALIFY GRADUATE OF THIS COURSE FOR FOLLOW-ON ADVANCED FLIGHT TRAINING AND PREPARE THEM FOR THEIR FUTURE RESPONSIBILITIES AS MILITARY OFFICERS. FLT HRS Breakdown: FLT HRS: Pri 1 = 29.0 Pri 2 = 11.0 SIM HRS: Pri 1 = 28.5 Pri 2 = 6.0

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114048** | Q- 2D-0585 | U | INTERMEDIATE UMFO | 3.4 | PTWP | Pensacola, FL 32508 |
| **ECL:** 80 | | | | **EIMET:** No | | |

INTERMEDIATE UMFO (CNATRAINST 1542.163) FLT HRS: 16.5 SIM HRS: 3.0 CQ HRS: 0.0 COURSE DESCRIPTION: COURSE MISSION: INTERMEDIATE UMFO IS DESIGNED TO QUALIFY GRADUATES OF THIS COURSE FOR FOLLOW-ON ADVANCED FLIGHT TRAINING AND PREPARE THEM FOR THEIR FUTURE RESPONSIBILITIES AS MILITARY OFFICERS.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114049** | Q- 2D-0164 | U | ADVANCED STRIKE FIGHTER UMFO | 28.4 | PTWP | Pensacola, FL 32508 |
| **ECL:** 80 | | | | **EIMET:** No | | |

ADVANCED STRIKE FIGHTER UNDERGRADUATE MILITARY FLIGHT OFFICER (UMFO) FLT HRS: 48.5 SIM HRS: 75.5 CQ HRS: 0.0 COURSE DESCRIPTION: ADVANCED STRIKE FIGHTER UMFO TRAINING SYSTEM CURRICULUM PER CNATRAINST 1542.164. COURSE MISSION: ADVANCED STRIKE FIGHTER UMFO IS TO FURTHER ENHANCE NAVIGATION, COMMUNICATION, AND AIRCRAFT SYSTEM MANAGEMENT SKILLS. CREW COORDINATION AND MISSION PRIORITIES ARE STRESSED IN THIS CURRICULUM. SKILL AND PERFORMANCE LEVELS REQUIRED FOR COMPLETION ARE OUTLINED IN THE COURSE TRAINING STANDARDS (CTS). SUCCESSFUL COMPLETION OF THE APPLICABLE CURRICULA QUALIFIED UMFO'S AS MILITARY FLIGHT OFFICERS.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P114051** | CIVCONTR | U | C-130 FLIGHT ENGINEER TRAINING | 11 | VAR | |

**ECL:** 80 **EIMET:** No

This course introduces qualified flight engineers to the C-130/L-382 systems, flight characteristics, and accepted operating procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114052** | CIVCONTR | U | C-130 NAVIGATOR TRAINING | 4 | VAR | |

**ECL:** 70 **EIMET:** No

C-130/L-382 navigator initial/transition This course introduces qualified navigator to the C-130/L-382 systems, flight characteristics and accepted operating procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114053** | CIVCONTR | U | C-130 LOADMASTER TRAINING | 4 | VAR | |

**ECL:** 70 **EIMET:** No

C-130/L-382 loadmaster recurrency/refresher This course, geared to qualified C-130/L-382 loadmasters, reinforces and re-emphasizes the accepted C-130/L-382 procedures and limitations for the embarkation and disembarkation of passengers and cargo.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114054** | CIVCONTR | U | C-130 AVIATION MAINT OFFICER TRAINING | 8 | VAR | |

**ECL:** 70 **EIMET:** No

This course is designed to cover the C-130 Aircraft Systems that relate to Aviation Maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114055** | CIVCONTR | U | C-130 AVIATION STRUCTURAL MAINT | 9 | VAR | |

**ECL:** 70 **EIMET:** No

This course familiarizes qualified aircraft maintenance personnel with the installation, theory of operation, and accepted maintenance procedures for the C-130/L-382 structural and hydraulics systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114056** | CIVCONTR | U | C-130 AVIATION MECHANIC (AD) TRAINING | 9 | VAR | |

**ECL:** 70 **EIMET:** No

This course familiarizes qualified aircraft maintenance personnel with the installation, theory of operation, and accepted maintenance procedures for the C-130/L-382 mechanical systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114057** | CIVCONTR | U | C-130 AVIATION ELECTRICIAN (AE) TRAINING | 9 | VAR | |

**ECL:** 70 **EIMET:** No

This course familiarizes qualified aircraft maintenance personnel with the installation, theory of operation, and accepted maintenance procedures for C-130/L-382 electrical systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P114058** | CIVCONTR | U | C-130 AVIATION ELECTRONIC TECHNICIAN (AT) TRG | 6 | VAR | |

**ECL:** 70 **EIMET:** No

This course familiarizes qualified aircraft maintenance personnel with the installation, theory of operation, and accepted maintenance procedures for C-130/L-382 electronic systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114059** | CIVCONTR | U | C-130 AVIATION ORDNANCE (AO) TRAINING | 4 | VAR | |

**ECL:** 70 **EIMET:** No

This course familiarizes qualified aircraft maintenance personnel with the installation, theory of operation, and accepted maintenance procedures for C-130/L-382 ordnance.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114060** | D- 2D-1101 | U | P-3C AIP NFO CAT 1 | 28 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 80 **EIMET:** No

To conduct navigation training leading to the designation of the student as a Naval Flight Officer followed by training designed to provide the skills and techniques required to perform as a NATOPS qualified Navigator/Communicator in the P-3C patrol reconnaissance aircraft. It provides the first tour Naval Flight Officer with a thorough study of the navigation, communication, sensor, armament, ordnance, and data processing systems of the P-3C AIP aircraft. Academic training is augmented with tactical Aircrew Coordination Trainers, Tactical Operational Readiness Trainers, device sessions, and flights on P-3C patrol reconnaissance aircraft. These sessions reinforce classroom instruction and provide hands-on time for students to develop their skills.

**PRE-REQUISITE:**

**COURSE NOTES:** All personnel participating in USN flight training must meet prescribed USN medical standards for flight crewmembers. Students must be in possession of a current USN flight physical and meet class 2 dental requirements.

| | | | | | | |
|---|---|---|---|---|---|---|
| **P114093** | N/A | U | HAAR IN-FLIGHT TRAINING | 1 | PJ33 | Kadena AB, JA |

**ECL:** 80 **EIMET:** No

This course is designed to be conducted following completion of the Helicopter Air-to-Air Refueling (HAAR) Ground Course (P119093). This is flight training conducted in Okinawa under the instruction of pilots from the US Air Force's 33rd Rescue Squadron based in Okinawa. Students who complete this training (in addition to the prerequisite) will have fulfilled minimum requirements for the HAAR mission. Training includes at least one daytime and three night time flights to accomplish the minimum number of in-flight connections with the refueling aircraft.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P115001** | SPECIAL | U | AVTRA INSTRUCTOR | 1 | PTWP | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

*THIS IS A NO-COST MASL USED FOR PEP Ips* Program designed to assist the U.S. Navy s Undergraduate Naval Flight Officer (NFO) training program by using trained international flight personnel (pilot/NFO) as flight instructors at Training Air Wing Six (CTW-6) at NAS Pensacola, FL. Provides vital assistance to the U.S. Navy for training both U.S. and international students as flight officers and affords the opportunity to gain valuable knowledge and experience for the international instructor in training operations, manpower management, officer responsibilities, and aviation safety. Basically, the only MASL cost associated with this program is the initial cost of light gear issue.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P115002** | SPECIAL | U | AVTRA INSTRUCTOR | 1 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

*THIS IS A NO-COST MASL USED FOR PEP Ips - Program designed to assist the U.S. Navy s Undergraduate Jet Pilot training program by using USN trained international Jet Pilots as flight instructors at Training Air Wing One (CTW-1) at NAS Meridian, MS. Provides vital assistance to the U.S. Navy for training both U.S. and international students as flight officers and affords the opportunity to gain valuable knowledge and experience for the international instructor in training operations, manpower management, officer responsibilities, and aviation safety. Basically, the only MASL cost associated with this program is the initial cost of light gear issue.

**PRE-REQUISITE:**

**COURSE NOTES:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **P115003** | SPECIAL | U | AVTRA INSTRUCTOR | 1 | PTWV | Milton, FL 32570-6017 |

**ECL:** 85 **EIMET:** No

*THIS IS A NO-COST MASL USED FOR PEP Ips* - Program designed to assist the U.S. Navy s undergraduate aviation training program by using USN trained international pilots or flight officers as aviation instructors at various Training Air Wings. Instructor candidates, once satisfactorily completing the prescribed Instructor Under Training (IUT) syllabus or Flight Instructor Curriculum, may provide assistance to the U.S. Navy for training both U.S. and International Military Students (IMSs) as aviators. When qualified, international instructors are afforded the opportunity to gain valuable knowledge and experience in training operations, manpower management, officer responsibilities, and aviation safety. Flight gear costs are the responsibility of the instructor candidates home country.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P115006** | Q- 2C-9900 | U | ADVANCED HELO IUT MPTS | 13.8 | PTWV | Milton, FL 32570-6017 |

**ECL:** 85 **EIMET:** No

ADV HELO IUT MPTS FLT HRS: 55.2 SIM HRS: 11.7 CQ: 0.0 - The Undergraduate Helicopter Flight Instructor Under Training curriculum is designed to provide designated Naval Aviators with the appropriate flight procedures, instructional methodology, and techniques to instruct undergraduate helicopter pilots in the Undergraduate Helicopter Flight Training Curriculum.CIN Q-2C-0015.

**PRE-REQUISITE:** Must be a designated Naval Aviator or Military Pilot qualified to fly helicopter.

**COURSE NOTES:**

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| **P115014** | D-050-1003 | U | P-3 FLIGHT ENG INST (IUT) | 14 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 85 **EIMET:** No

To train flight engineer instructors in the skills and techniques required for performance as a VP-3 Instructor Flight Engineer in P-3 model aircraft. This course provides the training necessary for qualify flight engineers as Fleet Replacement Squadron (FRS) Instructors Flight Engineers on the P3 aircraft at VP-30. The ground phase includes detailed instruction in aircraft systems/operations, flight simulation, normal and emergency procedures, preflight/postflight/daily functions, aircraft servicing, crew duties and coordination. The flight phase consists of Instructor Under Training (IUT) simulators and flights, during which the prospective instructor will demonstrate the ability to teach systems and procedures under actual flight training conditions. Flight simulators are used in both the ground and flight phase for procedure demonstration of normal and emergency procedures. Aircraft systems are reviewed and discussed to ensure adherence to NATOPS, applicable training. and maintenance directives. NATOPS qualified P3 Flight Engineer.

**PRE-REQUISITE:**

**COURSE NOTES:** A SECRET CLEARANCE IS REQUIRED TO ACCESS THE TRAINING FACILITY.
Note: Full flight clothing & equipment mandatory as detailed IAW OPNAVINST 3710.7 series and NAVAIR 13-1-6-70.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P115019** | Q-2A-0016 | U | T-45 COMBINED STRIKE FLIGHT INSTRUCTOR CURRICULUM | 10.8 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

T-45 COMBINED STRIKE FLIGHT INSTRUCTOR TRAINING CURRICULUM (CNATRAINST 1542.160). FLT HRS: 81.9 SIM HRS: 28.5 CQ HRS: 2.4 - T-45C COMBINED FLIGHT INSTRUCTOR TRAINING CURRICULUM IS DESIGNED TO PROVIDE DESIGNATED AVIATORS WITH THE NECESSARY INSTRUCTIONAL METHODOLOGY AND TECHNIQUES TO INSTRUCT UNDERGRADUATE FLIGHT STUDENTS IN THE INTERMEDIATE JET, ADVANCED STRIKE, AND INTERMEDIATE E-2/C-2 PHASES OF FLIGHT TRAINING. SCOPE: STRUCTURE. THE T-45 COMBINED FLIGHT INSTRUCTOR TRAINING CURRICULUM IS DIVIDED INTO STAGES AND CATEGORIES: NATOPS - NATOPS STAGE CAT I - FAMILIARIZATION AND INSTRUMENT STAGES CAT II - FORMATION, NIGHT FAMILIARIZATION, NIGHT FORMATION, AND NATOPS QUALIFICATION STAGES CAT III - OPERATIONAL NAVIGATION AND WEAPONS STAGES CAT IV - TACTICAL FORMATION AND AIR COMBAT MANEUVERING STAGES CQ STAGE - CARRIER QUALIFICATION OCF STAGE - OUT-OF-CONTROL FLIGHT

**PRE-REQUISITE:** Physical Requirements. As specified in Chapter 15 of the Manual of the Medical Department. Personnel and Ratings Eligible. Designated U.S. Navy, Marine, Coast Guard, Air Force, and foreign military aviators.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P115020** | D -2B-1130 | U | P3C PILOT FLEET INSTRUCTOR UNDER TRAINING IUT | 8 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 80 **EIMET:** No

Designed to supplement the fleet squadron Instructor Under Training (IUT) Syllabus and train the perspective instructor pilot and flight engineer on instructional techniques used to enhance safety and cockpit awareness in their daily conduct of training flights. Scope: This course provides training to assist instructor pilots and flight engineers in their techniques of developing and presenting a scenario for each flight event. The course concentrates on enhancing safety while performing flight demonstration from the instructor seat. Common tendencies noted in the Flight Instructor Guide (FIG) for each type of flight maneuver is emphasized with special attention given on proper techinques to ensure aircraft safety with a student at the controls of the aircraft. Classroom instruction covers general instructor duties and responsibilities and points out desired instructor qualities. This class also covers techniques on ways to prepare and present a planned flight scenario, tailored to the student's level of understanding, and how to teach in the aircraft while maintaining safety of flight. FIG Test and review of past instructor pilot related hazard reports.

**PRE-REQUISITE:** Designated Patrol Plane Commander or Equivalent. Initial Navy Survival Training P117402 (Class 2)

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P115025** | C-050-1503 | U | CREW RESOURCE MANAGEMENT INSTRUCTOR TRAINING | 1 | PSFF | Pensacola, FL |

**ECL:** 80 **EIMET:** No

A four-day course designed to prepare officers to fulfill duties as CRM instructors and program managers in accordance with OPNAVINST 1542.7D. CRM Instructors completing this course will be able to administer a local CRM program for their type model series aircraft.

**PRE-REQUISITE:** It is proposed that students be mission qualified flight crew members (O-3 and E-6 or above) and have at least 18 months remaining on current PCS tour upon completion of the course.

**COURSE NOTES:** Students will be required to have access to the TRANET computer network. This requires issuance of an identification card. Please arrive no later than the Thursday prior to the Monday class start date in order to facilitate the administration requirements.

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| **P116013** | D- 2G-0001 | U | LSO INIT FORMAL GRND TRNG | 2 | PLSO | Virginia Beach, VA 23460 |

**ECL:** 80 **EIMET:** No

Initial classroom and simulator instruction for designated Landing Signal Officer (LSO) trainees. Introduction to fleet LSO administrative and operational responsibilities including shore-based and ship-based equipment, glideslope geometry, aircraft recovery bulletins, aircraft characteristics, waving concepts and techniques, conduct of field carrier landing practice, and Fleet Automated Performance Assessment and Readiness Training System (APARTS).

**PRE-REQUISITE:**

**COURSE NOTES:** This is a prerequisite course for P116031, ADV FORMAL GROUND TRNG, D- 2G-0002.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P116036** | 501072 | U | AVIATION SURVIVAL TECH A (RESCUE SWIMMER) | 17 | PCAC | Elizabeth City, NC 27909 |

**ECL:** 80 **EIMET:** No

The Aviation Survival Technician (AST) training program is very intense and demanding. This course teaches entry-level skills, knowledge, and concepts required to perform aviation administrative record keeping; inspect, service, maintain, analyze, and repair aircraft and aircrew survival equipment and rescue devices; deliver aircrew survival training; and perform helicopter rescue swimmer duties.

**PRE-REQUISITE:** Students must be in superior physical shape with no chronic orthopedic problems, and must possess a high level of mental acuity and outstanding military bearing. Training is extremely stressful and is designed to identify those candidates who possess the physical and mental skills to handle the rigors of being a rescue swimmer. Helicopter rescue swimmer training is extremely physically demanding and requires exceptional comfort in the water. Non-USCG students are allowed only on a space available basis. Many students are unable to complete this course because they lack the mental or physical stamina needed to meet the challenging regimen. Some candidates may have pre-existing medical problems that they have not fully realized until they routinely and consistently perform demanding physical training. Therefore, it is extremely important that potential candidates realistically and honestly evaluate the overall health, level of fitness and degree of confidence before attending this course. IMS's must pass an aircrew physical evaluation. See Page III-3.

Candidates must be tested and evaluated during an Aviation Survival Technician (Rescue Swimmer) Assessment MTT (P309240) conducted in the host nation. See Page VI-60 for more information.

Normal color vision and hearing capability.

Candidates must be able to satisfactorily complete the USCG AST Airman Physical Training (PT) Screen, which may only be administered by ATTC Elizabeth City AST staff members. The following requirements to minimum standards are pre-requisites to be eligible to attend AST 'A' School:
Push-ups: 42
Sit-ups:50 nonstop
Pull Ups: 5
Chin Ups: 5
500 yard swim:12 minutes
25 yard underwater swim: 4 x 25 meters w/60 second maximum rest between laps

**COURSE NOTES:** Recommend attending Emergency Medical Technical (P175209) as follow-on training upon completion of AST 'A' School.

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| **P117010** | B- 9E-2642 | U | AIRCREW REFRESHER NASTP TRNG FOR CLASS 3 AIRCRAFT | 0.4 | PASJ | NAS Jacksonville, FL 32212-0088 |

**ECL:** 80 **EIMET:** No

Provides platform specific scenario based survival training required naval aviation survival refresher training for helicopter aircrew. Combines courses B-9E-1226 (R3) and B-322-0042 (HELO REFTRA) SCOPE Includes overview of the Naval Aviation Survival Training Program; classroom instruction on aviation physiology; stress and human performance; classroom presentations and laboratory evolutions to include sensory physiology, Combat/Survival First (SELF) Aid, aviation life support systems, signaling devices, aviation survival swim skills, underwater problem solving skills, multiplace aircraft underwater egress skills, helicopter aircrew breathing device use, extended sea survival, life raft organization, rescue procedures and a written final examination

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P117011** | B- 9E-1241 | U | AIRCREW INDOC NASTP TRAINING FOR CLASS 3 AIRCRAFT | 0.2 | PASJ | NAS Jacksonville, FL 32212-0088 |

**ECL:** 80 **EIMET:** No

Required advanced continuation Naval Aviation Survival training per OPNAVINST 3710.7S for aircrew selected to fly helicopters. SCOPE Provides mission specific aircraft category training per OPNAVINST 3710.7S. The course includes emergency egress procedures, aviation life support systems, signaling devices, swimming with flight equipment, aviation water survival skills, life raft organization, rescue devices with simulated or actual helicopter hoist, helicopter aircrew breathing device and final examination.

**PRE-REQUISITE:** Students must: 1) have completed the Initial Naval Aviation course within the last 3 years (P117402); 2) have an aero-medical clearance completed by a Naval Flight Surgeon 3) pass the following swim qual: a) swim 25 yards using the survival breast stroke b) tread water for 2 minutes c) drown proof 2 minutes d) oral inflation of life preserver while afloat Physical prerequisites IAW OPNAVINST 3710.7S, page 8-16, section 8.4.1.3. Successful completion of Naval Aviation Survival Training course NP1/N1 or NP2/N5. Required training for prospective active duty USN and USMC aeronautically designated personnel and USAF and USCG personnel in the Navy pipeline. Officer and Enlisted may attend. Contact NMOTC prior to attending to ensure all prerequisite courses have been met: 850-452-2292 / 2252 DSN: 459).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117013** | N/A | U | REFRESHER SURVIVAL TRAINING EJECTION SEAT | 0.4 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Refresher training is required for aeronautically designated personnel flying ejection seat equipped aircraft. Prerequisite is completion of the NASTP course N1/NP1 and N6 for N5/NP2 and N6. The course includes lecture and/or laboratory training of the following: Aviation Physiology, Hypoxia laboratory, Human performance, Sensory Physiology, Acceleration Physiology, Combat Survival/First Aid, Survival Swimming Skills, Underwater Problem Solving, Underwater Egress, Life Raft Organization, Helicopter Rescue, Parachute Training, Ejection Seat training, Extended Sea Survival.

**PRE-REQUISITE:**

**COURSE NOTES:** International Students will be required to complete a dental screening, complete medical examination, 2nd class swim test demonstrating the breast stroke, side stroke, american crawl stroke, treading water and drownproofing prior to being enrolled into the Initial Naval Avaition Survival Training Course.

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| **P117015** | N/A | U | F-35 TOP-OFF TRAINING | 0.2 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

F-35 Top-Off Training includes water survival training and instruction specifically for the F-35 aircraft. It will be programmed as follow on training for P117414 for those students who will train on the F-35 aircraft.

**PRE-REQUISITE:**

**COURSE NOTES:** ***THIS IS HIGH RISK TRAINING*** Student must have a current Aeromedical clearance (flight clearance) prior to participation in NASTP training.

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|---|---|---|---|---|---|---|
| **P117016** | D-050-1160 | U | P-3 IN-FLIGHT OBSERVER | 3 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 80 **EIMET:** No

To train fleet replacement aircrew in the skills and techniques required for performance as a NATOPS qualified observer in P-3C Patrol and Reconnaissance aircraft. SCOPE: This curriculum provides the observer with a thorough study of all systems that will be encountered in the P-3C aircraft and procedures for their proper use and preflight. Academic training is augmented with device sessions, and flights on the P-3C aircraft. These sessions reinforce classroom instruction and provide hands-on experience for the replacement observer to develop skills.

**PRE-REQUISITE:**

**COURSE NOTES:** One Enlisted instructor per class. Four, 5 hour flight events required totaling 20 hours.

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| **P117019** | B-322-0102 | U | ADVANCED HELICOPTER UNDERWATER EGRESS TRAINING | 0.2 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

To provide specific training in Underwater Egress and Survival procedures from a Helicopter, specific to the combat survival gear the individual will be wearing. SCOPE: Provide advanced helicopter underwater egress and HABD training "specific to equipment worn when flying" for USN passengers, USMC reconnaissance troops, U.S. Army Rangers, USN specwar troops and Special Boat Unit personnel.

**PRE-REQUISITE:** Students must: 1) have completed the Initial Naval Aviation course within the last 3 years (P117402); 2) have an aero-medical clearance completed by a Naval Flight Surgeon 3) pass the following swim qual: a) swim 25 yards using the survival breast stroke b) tread water for 2 minutes c) drown proof 2 minutes d) oral inflation of life preserver while afloat Contact NMOTC prior to attending to ensure all prerequisite courses have been met: 850-452-2292 / 2252 DSN: 459).

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P117024** | C-050-1500 | U | AVTRA AIRCREW CAND SCH | 2.8 | PAVS | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Provides the Navy and USMC with basic knowledge, skill and physical conditioning necessary to enhance survival of aviation related mishaps and meet all initial training and qualifications required for enlisted aircrewman as per OPNAVINST 3710.7 (series). Naval Aviation familiarization, aviation physiology, rigorous physical conditioning, initial water survival training (IWST), deep water survival training (bay ops), first aid, CPR, and military training. Candidates must swim a mile in flight suit and perform physical standards test to complete the course. Note: This is a prerequisite course for P117060, P3C UD2 FR NON-ACOU OPRTR, D-210-1151; P117062, P3C UD3 REP ACOUSTIC OPRTR, D-210-1130; and P129154, RESCUE SWIM SCHOOL - TACT, Q-050-0600.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is considered high risk, as such students will be required to have a full medical screen prior to its start. OJT Aviation Operations TMASL P119026 has to be programmed prior to this course. Otherwise, the student's start date will be delayed two weeks while they get the medical screen.

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| **P117050** | N/A | U | P3C OFT SIMULATOR | 1 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 80 **EIMET:** No

To provide facilities for initial and refresher training for P3 pilots to enhance their flying skills and maintain required qualifications.

**PRE-REQUISITE:**

**COURSE NOTES:** A qualified 2F87 simulator operator is required for device use. Countries are requested to coordinate operator training through the IMSO or use outside contractors as simulator operators.

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|---|---|---|---|---|---|---|
| **P117075** | N/A | U | P3C SIMULATOR (OFT 2F87F) | 1 | PWBP | Kaneohe Bay, HI 96863-4000 |

**ECL:** 70 **EIMET:** No

To provide safe and effective training for P3 personnel in skills and techniques required for performance as qualified members of P3 flight crew.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117402** | B-322-0039 | U | INITIAL NAVAL AVIATION SURVIVAL TRAINING | 2 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Provides basic introductory training, appropriate follow on course specific to aircraft pipeline (N6,N11or N12) must also be completed prior to flight. This is the appropriate initial course for aircrew and personnel who have not completed N1/NP1. Required for all prospective aeronautically designated personnel or others individuals on flight orders including USMC helicopters aerial gunners/observers and (initial) exchange aircrews (other) U.S.and foreign military). (OPNAVINST Instruction 3710.7 series Chapter 8 and Appendix E. This course includes lecture and/or laboratory training of the following: Aviation Physiology, Low Pressure Chamber flight (not required for helicopter flight). Stress and Human Performance, Sensory Physiology, Combat Survival/First Aid, Survival Swimming Skills. Underwater Problem Solving, Underwater Egress training using device 9D5 or 9D6, Life Raft Organization techniques, Extended Sea Survival. NOTE: This is a prerequisite course for P175306/P175312, AVIA SURV TRNG (HELO REFR), B-322-0042.

**PRE-REQUISITE:** This is a prerequisite course for P175306/P175312, AVIA SURV TRNG (HELO REFR), B-322-0042.

**COURSE NOTES:** INITIAL NAVAL AVIATION SURVIVAL TRAINING International Students will be required to complete a dental screening, complete medical examination, 2nd class swim test demonstrating the breast stroke, side stroke, american crawl stroke, treading water and drownproofing prior to being enrolled into the Initial Naval Avaition Survival Training Course.

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|---|---|---|---|---|---|---|
| **P117403** | B- 9E-1231 | U | AIRCREW INDOC NASTP TRNG FOR CLASS 1 AIRCRAFT | 0.6 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Advanced continuation training for aircrew selected to fly tactical jets. The course includes lecture and/or laboratory training for the following: Emergency Egress, Signaling Devices, Aviation Life Support Systems, Flight Equipment Swim, Aviation Water Survival Skills. Parachute Descent training, Parachute Landing procedures, Parachute Drag, Rescue Devices and Helicopter Hoist, Ejection Seat training and Parasail (Pensacola Only.)

**PRE-REQUISITE:** Students must: 1) have completed the Initial Naval Aviation course within the last 3 years (P117402); 2) have an aero-medical clearance completed by a Naval Flight Surgeon 3) pass the following swim qual: a) swim 25 yards using the survival breast stroke b) tread water for 2 minutes c) drown proof 2 minutes d) oral inflation of life preserver while afloat Contact NMOTC prior to attending to ensure all prerequisite courses have been met: 850-452-2292 / 2252 DSN: 459).

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P117413** | B- 9E-2441 | U | REFR SURV TRNG EJECT SEAT | 0.4 | P129 | Oak Harbor, WA 98278 |

**ECL:** 80 **EIMET:** No

Provides platform specific scenario based survival refresher training for aircrew flying ejection seat equipped aircraft. Conbines courses B-9E-1224 (NAWSTP R-1) and B-322-0041 (TAC JET REFTRA) SCOPE: Includes overview of the Naval Aviation Survival Training Program; classroom instruction on stress and human performance; classroom presentations and laboratory evolutions to include aviation physiology, parachute descent/landing/drag procedures, ejection seat training, sensory physiology, Combat/Survival First Aid (SELF), aviation life support systems, signaling devices, aviation survival swim skills, underwater problem solving skills, multiplace aircraft underwater egress skills, extended sea survival, life raft organization, rescue procedures and a written final examination.

**PRE-REQUISITE:** OTHER Open to all U.S. and foreign military aviators and aircrew flying USN/USMC ejection seat equipped aircraft. DoD and non-DoD civilians may be authorized training per OPNAVINST 3710.7 series. PREREQUISITES: OTHER Physical prerequisites per OPNAVINST 3710.7 series.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117414** | B- 9E-1231 | U | ADV CT AIRCRW TACT JETS (N6) | 0.4 | P129 | Oak Harbor, WA 98278 |

**ECL:** 80 **EIMET:** No

***THIS IS HIGH RISK TRAINING*** Required appropriate continuation Naval Aviation Survival training, per OPNAVINST 3710.7S, for aircrew selected for tactical jets. SCOPE: Provides continuation Naval Aviation Survival Training per OPNAVINST 3710.7S for aircrew selected to fly tactical jets. Prerequisite is successful completion of either N1/NP1 or N5/NP2. Course includes the following: Naval Aviation Survival Training Program (NASTP) overview, classroom presentation on Emergency Egress, Class/Lab on Aviation Life Support Systems (ALSS), Class/Lab on signaling devices, swimming and floating while wearing appropriate flight equipment , class/lab on parachute descent-landing-drag procedures, class/lab on life raft organization, class/lab on helo rescue devices and procedures, class/lab on the psychological and aeromedical aspects of ejection(includes dynamic seat shot), and a final written exam.

**PRE-REQUISITE:** Physical prerequisites IAW OPNAVINST 3710.7S, page 8-16, section 8.4.1.3.. Successful completion of either N1/NP1 or N5/NP2 is required by OPNAVINT 3710.7 series. Required Initial Naval Aviation Survival Training per OPNAVINST 3710.7S for officer and enlisted aircrew students, prospective military/civilian aeronautically designated personnel,, exchange aircrew, and both U.S. Military and Foreign services. Open to officer and enlisted aircrew students, prospective military/civilian aeronautically designated personnel,, exchange aircrew, and both U.S. Military and Foreign services. Consult OPNAVINST 3710.7S, paragraph 8.4.2.2, subparagraph c,, for trainee eligibility requirments.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117415** | B- 9E-2441 | U | REFR SURV TRNG EJECT SEAT | 0.4 | PATS | NAS Lemoore, CA 93246-5022 |

**ECL:** 80 **EIMET:** No

Required refresher training for all aeronautically designated personnel flying ejection seat equipped aircraft. Prerequisite is completion of NASTP courses N1/NP1 and N6 or N5/NP2 and N6. Training requirements/prerequisites for USAF, other U.S. Military and foreign military are listed in OPNAVINST 3710 series, Chapter 8. NASTP Training is valid for 4 years. Aircraft/Class-specific requirements are detailed in the CNO/COMNAVAIRFOR approved NASTP curricula. The course includes lecture and/or laboratory training of the following: Aviation Physiology, Hypoxia laboratory, Stress and Human Performance, Sensory Physiology, Acceleration Physiology, Combat Survival/First Aid, Survival Swimming/Skills, Underwater Problem Solving, Underwater Egress training, Life Raft Organization techniques, Helicopter Rescue, Parachute Training, Ejection Seat Training and Extended Sea Survival.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117416** | B- 9E-1231 | U | ADV CT AIRCRW TACT JETS (N6) | 0.6 | PATS | NAS Lemoore, CA 93246-5022 |

**ECL:** 80 **EIMET:** No

Advanced continuation training for aircrew selected to fly tactical jets. The course includes lecture and/or laboratory training for the following: Emergency Egress, Signaling Devices, Aviation Life Support Systems, Flight Equipment Swim, Aviation Water Survival Skills. Parachute Descent training, Parachute Landing procedures, Parachute Drag, Rescue Devices and Helicopter Hoist, Ejection Seat training and Parasail (Pensacola Only.)

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P117417** | B- 9E-1204 | U | SURVIVAL TRNG R4/RP4 | 0.4 | PATS | NAS Lemoore, CA 93246-5022 |

**ECL:** 80 **EIMET:** No

Required refresher training for all aeronautically designated personnel flying category four aircraft. Prerequisite is completion of NASTP courses N1/NP1 and N11 or N5/NP2 and N11. Training requirements/prerequisites for USAF, other U.S. Military and foreign military are listed in OPNAVINST 3710 series, Chapter 8. NASTP Training is valid for 4 years. Aircraft/Class-specific requirements are detailed in the CNO/COMNAVAIRFOR approved NASTP curricula. The course includes lecture and/or laboratory training of the following: Aviation Physiology, Hypoxia laboratory, Stress and Human Performance, Sensory Physiology, Combat Survival/First Aid, Survival Swimming/Skills, Underwater Problem Solving, Underwater Egress training, Life Raft Organization techniques, Rescue procedures, Helicopter Aircrew breathing device (C 2 and V 22) and Extended Sea Survival.

**PRE-REQUISITE:** Meet physical requirements identified in OPNAVINST 3710.7 series, page 8-16 section 8.4.1.3 .

**COURSE NOTES:**

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| **P117418** | B- 9E-1219 | U | INITIAL SURVIVAL TRNG FOR OFFICER AIRCREW N1/NP1 | 0.4 | PATS | NAS Lemoore, CA 93246-5022 |

**ECL:** 80 **EIMET:** No

Required appropriate Initial Naval Aviation Survival Training, per OPNAVINST 3710.7S, for Officer aircrew students. Scope: Provides basic introductory training per OPNAVINST 3710.7S. The course includes the following: An Overview of the Naval Aviation Survival Training Program, classroom instruction on Aviation Physiology, an appropriate Low Pressure Chamber brief/flight, Stress and Human performance presentation, classroom presentation and laboratory evolution on Sensory Physiology, class and lab on Combat/Survival First (SELF) Aid, class and lab on Aviation Survival Swim Skills, class and lab on Underwater Problem Solving Skills, class and lab on Multiplace Aircraft Underwater Egress skills, class and lab on Life Raft Organization, class and lab on Extended Sea Survival, Parasail (Pensacola only) and a written final examination.

**PRE-REQUISITE:** Physical prerequisites IAW OPNAVINST 3710.7S, page 8-16, section 8.4.1.3. Required Initial Naval Aviation Survival Training per OPNAVINST 3710.7S for officer aircrew students. Open to officer aircrew students. Consult OPNAVINST 3710.7S, paragraph 8.4.2.1, subparagraph b., for trainee eligibility requirements.

**COURSE NOTES:**

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| **P117419** | B- 9E-1240 | U | ADV TRNG FOR AIRCREW NON-EJECT FIXED WING AIRCRAFT | 0.4 | PATS | NAS Lemoore, CA 93246-5022 |

**ECL:** 80 **EIMET:** No

Advanced continuation training for aircrew selected to fly fixed wing non-ejection seat equipped aircraft. Prerequisite course is N1/NP1 or N5/NP2. (OPNAV Instruction 3710.7 series Chapter 8 and Appendix E) This course includes lecture and/or laboratory training of the following: Emergency Egress, Signaling Devices, Aviation Life Support Systems, Flight Equipment Swim, Aviation Water Survival Skills, Parachute Descent training, Parachute Landing Procedures, Parachute Drag, Rescue Devices and Helicopter Hoist, Helicopter Aircrew Breathing Device (E-2,C-2 & V-22 aircraft only).

**PRE-REQUISITE:** Physical prerequisites IAW OPNAVINST 37 10.7S, page 8-16, section 8.4.1.3. Successful completion of Naval Aviation Survival Training course NP1/N1 or NP2/N5. Required training for prospective active duty USN and USMC aeronautically designated personnel and USAF and USCG personnel in the Navy pipeline. Officer and Enlisted may attend.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117422** | B- 9E-1240 | U | AIRCREW INDOC NASTP TRAINING FOR CLASS 2 AIRCRAFT | 0.2 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Required advanced continuation Naval Aviation Survival training per OPNAVINST 3710.7S for aircrew selected to fly fixed wing non-ejection seat aircraft. SCOPE Provides mission specific aircraft category training per OPNAVINST 3710.7S. The course includes emergency egress procedures, aviation life support systems, signaling devices, swimming with flight equipment, aviation water survival skills, life raft organization, rescue devices with simulated or actual helicopter hoist, helicopter aircrew breathing device (authorized personnel only) and final examination.

**PRE-REQUISITE:** Students must: 1) have completed the Initial Naval Aviation course within the last 3 years (P117402); 2) have an aero-medical clearance completed by a Naval Flight Surgeon 3) pass the following swim qual: a) swim 25 yards using the survival breast stroke b) tread water for 2 minutes c) drown proof 2 minutes d) oral inflation of life preserver while afloat Physical prerequisites IAW OPNAVINST 3710.7S, page 8-16, section 8.4.1.3. Successful completion of Naval Aviation Survival Training course NP1/N1 or NP2/N5. Required training for prospective active duty USN and USMC aeronautically designated personnel and USAF and USCG personnel in the Navy pipeline. Officer and Enlisted may attend. Contact NMOTC prior to attending to ensure all prerequisite courses have been met: 850-452-2292 / 2252 DSN: 459).

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P117423** | B- 9E-1240 | U | ADV TRNG FOR AIRCREW NON-EJECT FIXED WING AIRCRAFT | 0.4 | PASN | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

Advanced continuation training for aircrew selected to fly fixed wing non-ejection seat equipped aircraft. Prerequisite course is N1/NP1 or N5/NP2. (OPNAV Instruction 3710.7 series Chapter 8 and Appendix E) This course includes lecture and/or laboratory training of the following: Emergency Egress, Signaling Devices, Aviation Life Support Systems, Flight Equipment Swim, Aviation Water Survival Skills, Parachute Descent training, Parachute Landing Procedures, Parachute Drag, Rescue Devices and Helicopter Hoist, Helicopter Aircrew Breathing Device (E-2,C-2 & V-22 aircraft only).

**PRE-REQUISITE:** Physical prerequisites IAW OPNAVINST 37 10.7S, page 8-16, section 8.4.1.3. Successful completion of Naval Aviation Survival Training course NP1/N1 or NP2/N5. Required training for prospective active duty USN and USMC aeronautically designated personnel and USAF and USCG personnel in the Navy pipeline. Officer and Enlisted may attend.

**COURSE NOTES:**

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| **P117426** | B- 9E-1234 | U | NAV AV WATER SURV N9 | 0.4 | PASM | San Diego, CA 92145-5798 |

**ECL:** 80 **EIMET:** No

Underwater Egress Training (Dunker) for Heli-borne combat troops, Flag Staff Officers, Embarked Staff, Chaplains, Doctors/Dentists, etc; and other authorized personnel whose duty assignments require frequent over water helicopter or tilt rotor flights. This course includes lecture and/or laboratory training of the following: Emergency Egress, Aviation Life Support Systems, Flight Equipment Swim, Aviation Water Survival Skills, Underwater Problem Solving and Multi-place Aircraft Underwater Egress. This course requires a current Clearance for Non-Aircrew/Non-Military Personnel to fly in USN/USMC Aircraft (OPNAV 3710/18) (3-04) signed by a Naval Flight Surgeon (FS) or an Aero-Medical Clearance Notice (FLIGHT PHYSICAL) prior to participation in any dynamic NASTP training. The Aero-medical Clearance Notice shall be signed by a Naval Flight Surgeon (FS), Naval Aviation Medical Officer (AMO) or Aviation Medical Examiner (AME).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117427** | N/A | U | INITIAL NAVAL AVIATION SURVIVAL TRAINING MIRAMAR | 0.6 | PASM | San Diego, CA 92145-5798 |

**ECL:** 80 **EIMET:** No

Provides basic introductory training, appropriate follow on course specific to aircraft pipeline (N6, N11 or N12) must also be completed prior to flight. This is the appropriate initial course for aircrew and personnel who have not completed N1/NP1. Required for all prospective aeronautically designated personnel or others individuals on flight orders including USMC helicopters aerial gunners/observers and (initial) exchange aircrews (other) U.S.and foreign military). (OPNAVINST Instruction 3710.7 series Chapter 8 and Appendix E. This course includes lecture and/or laboratory training of the following: Aviation Physiology, Low Pressure Chamber flight (not required for helicopter flight). Stress and Human Performance, Sensory Physiology, Combat Survival/First Aid, Survival Swimming Skills. Underwater Problem Solving, Underwater Egress training using device 9D5 or 9D6, Life Raft Organization techniques, Extended Sea Survival.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P117431** | B- 9E-2441 | U | INITIAL NAVAL AVIATION SURVIVAL TRAINING Norfolk | 0.4 | PASN | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

Provides basic introductory training, appropriate follow on course specific to aircraft pipeline (N6, N11 or N12) must also be completed prior to flight. This is the appropriate initial course for aircrew and personnel who have not completed N1/NP1. Required for all prospective aeronautically designated personnel or others individuals on flight orders including USMC helicopters aerial gunners/observers and (initial) exchange aircrews (other) U.S.and foreign military). (OPNAVINST Instruction 3710.7 series Chapter 8 and Appendix E. This course includes lecture and/or laboratory training of the following: Aviation Physiology, Low Pressure Chamber flight (not required for helicopter flight). Stress and Human Performance, Sensory Physiology, Combat Survival/First Aid, Survival Swimming Skills. Underwater Problem Solving, Underwater Egress training using device 9D5 or 9D6, Life Raft Organization techniques, Extended Sea Survival.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P117432** | B-322-0039 | U | INITIAL NAVAL AVIATION SURVIVAL TRAINING JAX | 0.4 | PASJ | NAS Jacksonville, FL 32212-0088 |

**ECL:** 80 **EIMET:** No

Provides basic introductory training, appropriate follow on course specific to aircraft pipeline (N6,N11or N12) must also be completed prior to flight. This is the appropriate initial course for aircrew and personnel who have not completed N1/NP1. Required for all prospective aeronautically designated personnel or others individuals on flight orders including USMC helicopters aerial gunners/observers and (initial) exchange aircrews (other) U.S.and foreign military). (OPNAVINST Instruction 3710.7 series Chapter 8 and Appendix E. This course includes lecture and/or laboratory training of the following: Aviation Physiology, Low Pressure Chamber flight (not required for helicopter flight). Stress and Human Performance, Sensory Physiology, Combat Survival/First Aid, Survival Swimming Skills. Underwater Problem Solving, Underwater Egress training using device 9D5 or 9D6, Life Raft Organization techniques, Extended Sea Survival.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P117433** | B-322-0039 | U | INITIAL NAVAL AVIATION SURVIVAL TRAINING Patuxent River | 0.6 | PN1X | Patuxent River, MD 20670 |

**ECL:** 80 **EIMET:** No

Provides basic introductory training, appropriate follow on course specific to aircraft pipeline (N6, N11 or N12) must also be completed prior to flight. This is the appropriate initial course for aircrew and personnel who have not completed N1/NP1. Required for all prospective aeronautically designated personnel or others individuals on flight orders including USMC helicopters aerial gunners/observers and (initial) exchange aircrews (other) U.S.and foreign military). (OPNAVINST Instruction 3710.7 series Chapter 8 and Appendix E. This course includes lecture and/or laboratory training of the following: Aviation Physiology, Low Pressure Chamber flight (not required for helicopter flight). Stress and Human Performance, Sensory Physiology, Combat Survival/First Aid, Survival Swimming Skills. Underwater Problem Solving, Underwater Egress training using device 9D5 or 9D6, Life Raft Organization techniques, Extended Sea Survival. Learning Center: #8 - FORCE HEALTH PROTECTION

**PRE-REQUISITE:**

**COURSE NOTES:** Course should be scheduled to convene one week after report date on main Test Pilot School MASL.

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|---|---|---|---|---|---|---|
| **P118001** | N/A | U | ROTARY WING FLT TEST ENGR | 48 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

To provide experience in actual testing of modern aircraft and airborne systems and reduction and reporting of the data obtained. The rotary wing curriculum prepares pilots and engineers for flying qualities and performance testing of primarily the helicopter and secondarily the airplane.

**PRE-REQUISITE:**

**COURSE NOTES:** MASL P117431 and P117433 should be programmed whenever NAVAIR MASL s P118001/118300/118301/118302 are programmed.

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|---|---|---|---|---|---|---|
| **P118002** | N/A | U | INTRO TO AIRCRAFT AND SYSTEMS T&E SHORT COURSE TSD | 2 | PNAO | Orlando, FL |

**ECL:** 80 **EIMET:** No

"The Acquisition Process" The Test Planning Process "Report Writing" The Research and Evaluation Paragraph "Types of Reports" The DT-OT Transition Report "Flight Clearances" Data Collection and Instrumentation "Fixed-wing and Rotary-wing Basics and Flight Test Techniques" Aerodynamics "Flight Controls" Flying Qualities Testing "Instrumentation" Airborne Systems Basics and Flight Test Techniques "Communications System Theory" Radar Theory "Electro-Optical Theory " Navigation System Theory" Software Test and Evaluation "Naval Air Systems Command Ranges and Facilities" Test Planning for an Integrated System and Navigation System Demo/Evaluation "Flight Briefing" Test Design "Data Collection" Safety and Technical Review "Analysis of Results" Data Presentation "Flying the Test" Each student will fly on the Airborne Systems Test and Research Support Airplane (ASTARS) and conduct an integrated systems and navigation system evaluation using radar and electro-optical sensors, and Inertial and GPS navigation systems. This course is intended to provide the working level tester with the information necessary to plan, brief, conduct, debrief, analyze, and report flight test results. Objectives At the completion of this course, participants will" Understand the testing process "Understand the basics of airplane and helicopter flight testing" Understand the basic theory of radar, navigation, and electro-optical systems individually and as part of an integrated system "Design and execute an integrated systems test plan" Report on test results

**PRE-REQUISITE:**

**COURSE NOTES:** Medical screening will be conducted during the first week of the course. For individuals with questions concerning this process, please contact the USNTPS Short Course Staff at 301-757-2137. Audience The intended audience for this course is personnel involved in rotary-wing, fixed-wing, or systems flight testing.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P118300** | N/A | U | FIXED WING FLT MECH PILOT | 48 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

To provide experience in actual testing of modern aircraft and airborne systems and reduction and reporting of the data obtained. The fixed wing curriculum prepares pilots and engineers to test airborne mission systems and flight systems in addition to airplane flying qualities and performance.

**PRE-REQUISITE:**

**COURSE NOTES:** MASLs P117431 and P117433 should be programmed whenever NAVAIR MASL s P118001/118300/118301/118302 are programmed.

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|---|---|---|---|---|---|---|
| **P118301** | N/A | U | ROTARY WING FLT MECH PILOT | 48 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

To provide experience in actual testing of modern aircraft and airborne systems and reduction and reporting of the data obtained. The rotary wing curriculum prepares pilots and engineers for flying qualities and performance testing of primarily the helicopter and secondarily the airplane.

**PRE-REQUISITE:**

**COURSE NOTES:** MASLs P117431 and P117433 should be programmed whenever NAVAIR MASL s P118001/118300/118301/118302 are programmed.

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|---|---|---|---|---|---|---|
| **P118302** | N/A | U | FIXED WING FLT TEST ENGR | 48 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

To provide experience in actual testing of modern aircraft and airborne systems and reduction and reporting of the data obtained. The fixed wing curriculum prepares pilots and engineers to test airborne mission systems and flight systems in addition to airplane flying qualities and performance.

**PRE-REQUISITE:**

**COURSE NOTES:** MASLs P117431 and P117433 should be programmed whenever NAVAIR MASL s P118001/118300/118301/118302 are programmed.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P118401** | SHORT COURSE | U | INTRO AIRPLANE FLYING QUALITIES | 2 | PNAX | Patuxent River, MD 20670 |
| **ECL:** 85 | | | | **EIMET:** No | | |

Provide a broad overview of flying qualities as it pertains to Naval Acquisition SCOPE Entry/journeyman level exposure to aerodynamics, static and dynamic stability, maneuvering and non-maneuvering flight characteristics, flight control systems, control types, handling qualities and ratings scales, history and lessons learned, test planning, test execution and reporting, and conduct of a practical flight test event. TARGET AUDIENCE The course is designed for personnel who are new government service employees and have limited or no exposure to ground and flight test techniques. Engineer and Scientist Development Program (ESDP) personnel, entry level Flight Test Engineers (FTE), personnel transitioning to a flying qualities or air vehicle test program, and contractors directly supporting a DoD contract or contract element related to ground or flight test. COURSE DESCRIPTION The USNTPS Introduction to Airplane Flying Qualities Short Course consists of three phases that are designed to introduce and expose students to classic stability and control theory, test methods and techniques, and the qualitative evaluation process. Phase 1 Classroom Lectures Phase 2 Simulator Sessions Phase 3 Flight Demonstration / Limited Scope FQ Evaluation First, the students receive a series of classroom lectures on test planning, basic aerodynamics, aircraft flight controls, longitudinal and lateral-directional flying qualities to include test procedures and techniques, the handling qualities rating scale, and report writing. Second, each student receives two simulator sessions in the USNTPS sim lab. The first session provides hands-on experience with basic flight control system mechanical characteristics. The second session permits a formal review and time to practice the test techniques prior to the flight demonstration phase. Finally, each student will conduct a limited scope evaluation of the longitudinal and lateral-directional flying qualities of a general aviation aircraft for the VIP Transport Mission. The students will fly with an experienced Contractor Demonstration Pilot (CDP) that will be able to discuss the basic mission tasks, demonstrate test techniques and the use of the handling qualities rating scale, and answer student questions regarding data collection and test tolerances. Following the flight, the students will reduce and analyze the qualitative and quantitative data that was collected during the evaluation flight and produce a Daily Flight Report. COURSE OBJECTIVES After completing this course students should have a basic knowledge and understanding of the Introduction to Airplane Flying Short Course: 1. Test Planning, Preparation, Execution, & Reporting 2. Aerodynamics / Stability / Flight Controls / Flight Characteristics 3. Specific test techniques for fixed-wing airplane flying qualities and performance testing

**PRE-REQUISITE:** This course requires flight on a Navy or Navy-contracted aircraft. Participants must complete a flight physical and OPNAV3710-18 with their personal doctor prior to the first day of class. The OPNAV3710-18 medical form is not required if the student has a current Class II FAA Medical or a current USN/USMC-approved “up-chit”. The OPNAV3710-18 and additional instructions will be provided to the student approximately one month prior to the class start date. Contact the IMSO for more information: 301-757-5019. ATTENDANCE REQUIREMENTS -100% attendance required -Students are expected to bring OPNAV3710-18, current USN/USMC-approved up-chit, or Class II FAA Medical to class -Students are expected to participate in group exercises during class. The exercises require interaction with classmates to complete.

**COURSE NOTES:** Cancellation Policy: There is no cancellation fee or charges if you cancel your enrollment before 30 calendar days of the class start date. If the cancellation occurs inside of 30 calendar days from the start date of the class, you MAY be responsible for the full tuition cost if we are unable to fill your cancelled position. USNTPS will make a reasonable effort to fill all vacant positions up to the start date of the class. You/Your command may send a backfill in the event of your absence, within the approval guidelines for course enrollment. Partial refunds or rollover of payment spanning multiple fiscal years will not be authorized. For questions regarding cancellation and backfills, call USNTPS at 301-757-5049. Students are required to sign in to training facility at the beginning of the first day of class. CAC or visitor badge required for base access.

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| **P118403** | N/A | U | ADV FLIGHT CONTROLS | 1 | PNAX | Patuxent River, MD 20670 |
| **ECL:** 80 | | | | **EIMET:** No | | |

Course is designed for engineers and scientists involved in the test and evaluation of flight control systems and provides an introduction to Flight Control Systems Development and autopilot testing.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P118405** | SHORT COURSE | U | INTRO TO UNMANNED AIR SYSTEMS (UAS) FLIGHT TEST | 2 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

The Introduction to UAS Flight Test Short Course consists of three training phases that are designed to introduce and expose students to UAS flight test methods and techniques. First, students will receive a series of technical lectures on planning and executing test flights, fundamentals of ground control station design, instrumentation, and specific component testing. Second, students will be exposed to several UAS aircraft, including specific platform briefings from program managers or senior project engineers. Lessons learned from various UAS test programs will also be discussed during this phase. The final phase consists of "hands-on" evaluation with UAS platforms. A flight period will be provided during the second week to allow students to interact with a UAS ground control station and expose students to UAS flight test operations by executing a simple UAS flight test. Purpose: Provide a broad overview of flight test on UAS as it pertains to Naval Acquisition. Objectives: After completing this course students should have a basic knowledge and understanding of the Introduction to UAS Flight Test Short Course: 1. Test Planning, Preparation, Execution, & Reporting 2. RADAR / EO / COMMS / DATALINKS / CONTROLS & DISPLAYS 3. Unique Aspects of unmanned vs manned flight test Scope: Entry/journeyman level exposure to UAS, including Navigation Systems, Electro-optical systems, Radar systems, Communications and Datalinks systems, theory of operation, history and lessons learned, test planning, test execution and reporting, and conduct of a practical flight test event. Target Audience: The course is designed for personnel who are new government service employees and have limited or no exposure to unmanned aircraft systems, ground and flight test techniques, and systems test & evaluation. Engineer and Scientist Development Program (ESDP) personnel, entry level Flight Test Engineers (FTE), personnel transitioning to a UAS-type test activity, and contractors directly supporting a DoD contract or contract element related to UAS. More information about this course can be found at: http://www.navair.navy.mil/USNTPS/shortcourse_detail.cfm?id=7

**PRE-REQUISITE:** ATTENDANCE -100% attendance required -Students are expected to participate in group exercises during class. The exercises require interaction with classmates to complete.

**COURSE NOTES:** Cancellation Policy: There is no cancellation fee or charges if you cancel your enrollment before 30 calendar days of the class start date. If the cancellation occurs inside of 30 calendar days from the start date of the class, you MAY be responsible for the full tuition cost if we are unable to fill your cancelled position. USNTPS will make a reasonable effort to fill all vacant positions up to the start date of the class. You/Your command may send a backfill in the event of your absence, within the approval guidelines for course enrollment. Partial refunds or rollover of payment spanning multiple fiscal years will not be authorized. For questions regarding cancellation and backfills, call USNTPS at 301-757-5049. Students are required to sign in to training facility at the beginning of the first day of class. CAC or visitor badge required for base access.

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| **P118407** | N/A | U | AIRBORNE SYS T&E NFO/WSO | 48 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

To provide experience in actual testing of modern aircraft and airborne systems and reduction and reporting of the data obtained. The airborne mission systems curriculum prepares pilots, Naval Flight Officers/Weapons Systems Operators, and engineers to test airborne mission systems and flight systems in addition to aircraft flying qualities and performance.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P118408** | N/A | U | AIRBORNE SYS T&E ENGINEER | 48 | PNAX | Patuxent River, MD 20670 |

**ECL:** 85 **EIMET:** No

To provide experience in actual testing of modern aircraft and airborne systems and reduction and reporting of the data obtained. The airborne mission systems curriculum prepares pilots, Naval Flight Officers/Weapons Systems Operators, and engineers to test airborne mission systems and flight systems in addition to aircraft flying qualities and performance.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P118409** | SHORT COURSE | U | RW FLYING QUALITIES & PERF | 2 | PNAX | Patuxent River, MD 20670 |
| **ECL:** 85 | | | | **EIMET:** No | | |

Provide a broad overview of Flying Qualities and Performance as it pertains to Naval Acquisition. SCOPE Entry/Journeyman Level exposure to rotor systems, stability, maneuvering and non-maneuvering flight characteristics, performance, handling qualities and ratings scales, specifications, conduct of a practical simulation exercise, data reduction, and specification compliance. Note that this course does not cover test planning or report writing. It is expected that the student has some level of test planning, test execution, and reporting.TARGET AUDIENCE The course is designed for personnel who are new government service employees and have limited or no exposure to rotary wing aircraft characteristics and test techniques. Engineer and Scientist Development Program (ESDP) personnel, entry level flight test engineers (FTE), personnel transitioning to an air vehicle test program, and contractors directly supporting a DoD contract or contract element related to ground or flight test. TARGET AUDIENCE The course is designed for personnel who are new government service employees and have limited or no exposure to rotary wing aircraft characteristics and test techniques. Engineer and Scientist Development Program (ESDP) personnel, entry level flight test engineers (FTE), personnel transitioning to an air vehicle test program, and contractors directly supporting a DoD contract or contract element related to ground or flight test. COURSE DESCRIPTION The USNTPS Introduction to Rotary Wing Flying Qualities & Performance Short Course introduces and exposes students to rotary wing theory, test methods and techniques, and the evaluation process. Although the exact subjects presented may vary from class to class, the typical class syllabus traditionally includes the following: Week One: Pitot-Static Systems Engine Assessment Rotor Systems / Flight Controls Hover Performance Vertical Climb Performance Level Flight Performance Climb/Descent Performance Longitudinal Stability Derivatives Maneuvering Stability Flight Test Techniques Week Two: Descent and Autorotation Performance Vortex Ring State Lateral-Directional Stability Derivatives Longitudinal Dynamic Modes Lateral-Directional Dynamic Modes Flight Test Techniques Low Airspeed Flying Qualities ADS-33 Specifications Dynamic Interface Testing Pilot Handling Qualities Evaluation Process Simulation Exercise Students will be given actual flight data and asked to reduce, analyze, and conclude the performance and mission suitability of a generic helicopter for the TPS-provided mission. COURSE OBJECTIVES After completing this course students should have a basic knowledge and understanding of the Introduction to Rotary Wing Flying Qualities & Performance short course: 1. Rotor Systems / Stability / Performance / Specifications 2. Specific test techniques for rotary-wing airplane flying qualities and performance testing More information about this course can be found at: http://www.navair.navy.mil/USNTPS/shortcourse_detail.cfm?id=17

**PRE-REQUISITE:** This course requires flight on a Navy or Navy-contracted aircraft. Participants must complete a flight physical and OPNAV3710-18 with their personal doctor prior to the first day of class. The OPNAV3710-18 medical form is not required if the student has a current Class II FAA Medical or a current USN/USMC-approved “up-chit”. The OPNAV3710-18 and additional instructions will be provided to the student approximately one month prior to the class start date. Contact the IMSO for more information: 301-757-5019. ATTENDANCE REQUIREMENTS -100% attendance required -USN/USMC-approved "up chit"or Class II FAA Medical to class -Students are expected to participate in group exercises during class. The exercises require interaction with classmates to complete.

**COURSE NOTES:** Cancellation Policy: There is no cancellation fee or charges if you cancel your enrollment before 30 calendar days of the class start date. If the cancellation occurs inside of 30 calendar days from the start date of the class, you MAY be responsible for the full tuition cost if we are unable to fill your cancelled position. USNTPS will make a reasonable effort to fill all vacant positions up to the start date of the class. You/Your command may send a backfill in the event of your absence, within the approval guidelines for course enrollment. Partial refunds or rollover of payment spanning multiple fiscal years will not be authorized. For questions regarding cancellation and backfills, call USNTPS at 301-757-5049. Students are required to sign in to training facility at the beginning of the first day of class. CAC or visitor badge required for base access.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P118420** | SHORT COURSE | U | INTRO TO AIRCRAFT AND SYSTEMS TEST AND EVALUATION | 2 | PNAX | Patuxent River, MD 20670 |

**ECL:** 80 **EIMET:** No

Provide a broad overview of Systems Flight Test as it pertains to Naval Acquisition. SCOPE Entry/Journeyman Level exposure to Integrated Systems, including Navigation Systems, Electro-optical Systems, Radar Systems, Communication and Datalinks Systems, theory of operation, history and lessons learned, test planning, test execution and reporting, and conduct of a practical flight test event. TARGET AUDIENCE The course is designed for personnel who are new government service employees and have limited or no exposure to ground and flight test techniques. Engineer and Scientist Development Program (ESDP) personnel, entry level flight test engineers (FTE), personnel transitioning to an integrated systems or mission systems test activity, and contractors directly supporting a DoD contract or contract element related to ground or flight test. COURSE DESCRIPTION The Introduction to Aircraft and Systems Test & Evaluation short course consists of three training phases that are designed to introduce and expose students to integrated systems flight test methods and techniques. First, students will receive a series of technical lectures on airborne systems basics and flight test techniques, theory for RADAR, Electro-Optical, Displays, and Navigation systems, and planning and executing test flights. Second, students will be exposed to preparation and conduct of a 3-hr training sortie on the USNTPS Airborne Systems Training and Range Support (ASTARS) aircraft. During the sortie the students will evaluate the integrated systems in support of a mock mission, which will be defined in the TPS-provided test plan. Students will be expected to evaluate the integrated systems using techniques presented throughout the academic and technical lectures. The final phase will include a post-flight group debrief, review of data collected during the sortie, classification and reporting on deficiencies discovered during the training sortie, and providing a group oral presentation to the students and instructors. The oral presentation will be approximately 30 minutes in length, focusing on proper presentation of flight test results.COURSE OBJECTIVES After completing this course students should have a basic knowledge and understanding of the Introduction to Aircraft and Systems Test & Evaluation short course: 1. Test Planning, Preparation, Execution, & Reporting 2. RADAR / EO / COMMS / DATALINKS / CONTROLS & More information about this course can be found at: http://www.navair.navy.mil/USNTPS/shortcourse_detail.cfm?id=18

**PRE-REQUISITE:** This course requires flight on a Navy or Navy-contracted aircraft. Participants must complete a flight physical and OPNAV3710-18 with their personal doctor prior to the first day of class. The OPNAV3710-18 medical form is not required if the student has a current Class II FAA Medical or a current USN/USMC-approved “up-chit”. The OPNAV3710-18 and additional instructions will be provided to the student approximately one month prior to the class start date. Contact the IMSO for more information: 301-757-5019. ATTENDANCE REQUIREMENTS -100% attendance required -USN/USMC-approved ¡§up-chit¡¨ or Class II FAA Medical to class -Students are expected to participate in group exercises during class. The exercises require interaction with classmates to complete.

**COURSE NOTES:** Cancellation Policy: There is no cancellation fee or charges if you cancel your enrollment before 30 calendar days of the class start date. If the cancellation occurs inside of 30 calendar days from the start date of the class, you MAY be responsible for the full tuition cost if we are unable to fill your cancelled position. USNTPS will make a reasonable effort to fill all vacant positions up to the start date of the class. You/Your command may send a backfill in the event of your absence, within the approval guidelines for course enrollment. Partial refunds or rollover of payment spanning multiple fiscal years will not be authorized. For questions regarding cancellation and backfills, call USNTPS at 301-757-5049. Students are required to sign in to training facility at the beginning of the first day of class. CAC or visitor badge required for base access.

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| **P119002** | N/A | U | F/A-18 SIMULATOR | 1 | PBSC | ST Louis, MO 63166-0516 |

**ECL:** 80 **EIMET:** No

F/A-18 SIMULATOR TRNG Description: Aircrew Simulator training in St. Louis, Missouri, for JDAM, at the same time we provide simulator training for the AMRAAM and JHMCS. This training, for two pilots and two WSOs, will include cockpit mechanization and Hands-On-Throttle-And-Stick. Simulator training will occur at the same time as the RMAF F-18D MUG Validation/Verification effort. The projected schedule is one and one-half (1.5) days of academic classroom work and two (2) days in the simulator.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119016** | N/A | U | AH-1W SIMULATOR TRAINING | 1 | PMTR | Jacksonville, NC 28545-1035 |

**ECL:** 80 **EIMET:** No

AH-1W SIMULATOR TRAINING tailored to individual country requirements.

**PRE-REQUISITE:**

**COURSE NOTES:** BILLETING: Government billeting is not provided. Billeting may be available at the Consolidated Bachelors Quarters (CBQ). DINING/MESSING: Government messing is not provided. The Landing Zone at the Officers' Club offers lunch Monday through Friday from 1100-1300. The Corner Café (Corner of McAvoy St. and Campbell) hours of operation are Monday from 0600-1600, Tuesday-Thursday from 0630-1600, Friday from 0630-1500. The Bowling Center Snack Bar- Bldg AS 205 serves breakfast Monday through Friday 0700 - 1000. A lunch menu is available all day. CLIMATE: Hot and humid in summer (May - October), average temperature 95F/35C, 80% humidity; cold and wet in winter (November - April), average temperature 45F/7C. DEPENDENTS: Dependents are not encouraged and should not be authorized. There is no billeting available for dependents. MEDICAL: MCAS New River Medical and Dental Clinic, BLDG AS-100. Hours of Operation: 0700-1700; Sick Call 0700-0900. There is a Naval Hospital aboard Camp Lejeune. IMS will be required to check in with Medical records and ITO. NEAREST CITY: Wilmington, NC is approximately 52 miles/84 km south of Camp Lejeune, NC. Raleigh, NC is approximately135 miles/217 km miles northwest of Camp Lejeune, NC. NEAREST MILITARY BASE: Marine Corps Base Camp Lejeune and Marine Corps Air Stations Cherry Point are within 50 miles/80km from MCAS New River. SERVICING AIRPORT: Preferred airport is Albert J. Ellis Airport in Jacksonville, NC (Airport Code OAJ). DRIVING: North Carolina no longer recognizes the International Driver`s License. Cars may be rented directly from one of the agencies located in Albert J. Ellis Airport. In order to rent a car, the student must be 21 years or older, have a valid driver's license (country license is acceptable) with another valid picture ID (such as a passport), and have a major credit card. A minimum of $30,000 liability insurance is required. To register a vehicle on Camp Lejeune, an ID Card and Drivers License, Vehicle Registration or rental agreement, Proof of Insurance (must meet NC minimum) is required. A U.S. military Sponsor may be required depending on current threat condition. All motorized vehicles operated aboard the Air Station must be registered with the vehicle registration section of Station S-1. The following documents are required to obtain a temporary pass: Valid Armed Forces identification card, rental agreement, (including valid state registration for the vehicle, valid state operator's license, and proof of valid insurance with all drivers' names on the policy). STUDENT ARRIVAL/DEPARTURE INSTRUCTIONS: International military students may be met at the airport if requested and arrival information is provided. UNIFORM REQUIREMENTS: Appropriate seasonal service uniform, flight suits and other flight gear. Physical training gear is required.

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| **P119024** | Q- 2A-0072 | U | AVTRA FLT SURG T-6B/TH-57 | 10 | PTWV | Milton, FL 32570-6017 |

**ECL:** 80 **EIMET:** No

AVTRA FLT SURG T-34/TH-57 (CNATRAINST 1542.53F) FLT HRS: 8.2 SIM HRS: 0.0 CQ HRS: 0.0 - Aerospace Medicine Specialist Indoctrination (Flight portion only). ACADEMIC PORTION PROGRAMMED UNDER P175307. *PART OF THE "STUDENT FLIGHT SURGEON CRS" AND A PREREQUISITE FOR "THE AEROSPECE MEDICAL RESIDENCY CRS" - P175309* Provides training leading to designation as a Naval Flight Surgeon. Flight training gives the student first hand experience in the stresses of the aviation environment. The student receives T-34 ground school and flight time, and TH-57 ground school and flight time. The mission of the Aerospace Medicine Specialist (AMS) Training Curriculum is to provide exposure to the various flight regimes and associated phenomenon of aeromedical concern. The term Aerospace Medical Specialist includes all Bureau of Medicine and Surgery specialist that support the Naval Aviation fleet, including Residents in Aerospace Medicine, Flight Surgeon short course students, student Naval Aerospace Physiologist and student Naval Aerospace Experimental Psychologist. Each module of the instruction provides an introduction to the basic flight experiences encountered in daily training and fleet aircraft operations. Particular emphasis is place on basic motor flight skills and familiarization with the physiological stressors associated with aviation specific evolutions. SCOPE: Primary Instructional Methods Building block approach to developing and reinforcing prerequisite airmanship skills through a steady increase in mission task loading. Central to the approach is an optimum mix of classroom (systems, aerodynamics, etc.), simulator and flight instruction. Classroom instruction combines lecture and question/answer while simulator and flight instruction rely more heavily on a mentor relationship between instructor and student. Course Objectives Upon completion of this syllabus, the prospective Aerospace Medicine Specialist will demonstrate: a. A working knowledge of the fundamental concepts of aerodynamics, aircraft systems, emergency procedures and G-induced loss of consciousness. b. Proficiency in basic aviation ground operations. c. The ability to execute straight and level as well as turning flight. d. An understanding of standard operating guidelines associated with landing patterns, and instrument flight.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P119026** | N/A | U | OJT AVIATION OPERATIONS | 0 | PAVS | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

To provide prospective pilots and Naval Flight Officers with the necessary prerequisites prior to entry into Aviation Indoctrination. This includes but is not limited to Flight Physicals, Swim and Physical fitness screening, English Language testing and administration paperwork.

**PRE-REQUISITE:**

**COURSE NOTES:** Please arrive on the Wednesday prior to the start date.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119036** | C- 9B-0030 | U | INTRODUCTORY FLIGHT SCREENING (IFS) | 7.2 | PAVS | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Introductory Flight Screening is a pre-Aviation Preflight Indoctrination course of flight training conducted by select civilian Fixed Base Operators (FBO) throughout the US. Aviators and Flight Officers will receive 13.5 - 15 hours of flight screening conducted during Pilot School in an FAA approved course of instruction pursuant to 14 CFR 141. This course culminates with the completion of a solo flight. Students shall have completed all flight activity requirements including the solo flight by the 15 flight hour limit. Students will also receive associated ground training necessary to complete the FAA Private Pilot Airplane Airman Knowledge Test. Students must successfully complete the FAA Private Pilot Airplane Airman Knowledge Test with a minimum score of 80 percent. Students can expect to complete all flight and academic requirements with 50 days of enrollment. Note: Will need a TSA Badge to land at an FAA Towered field.

**PRE-REQUISITE:** Available to Military Officers selected for Aviation Training. Normally USN, USMC, and USCG

**COURSE NOTES:** Will need a TSA Badge to land at an FAA Towered field.

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| **P119037** | Q-2A-0166 | U | AEROSPACE MEDICINE SPECIALIST (AMS) FW CURR | 5.8 | PTWV | Milton, FL 32570-6017 |

**ECL:** 80 **EIMET:** No

SUPPLEMENTAL AEROSPACE MEDICAL FLIGHT TRAINING (CNATRA NOTE 1542) FLT HRS: 6.2 SIM HRS: 7.8 CQ HRS: 0.0 - This course was designed for a Canadian flight surgeon, enrolled in P175309. MASL is to capture flight costs only. This course and MASL available at VT-2, VT-3 and VT-6. This course and MASL available at VT-2, VT-3 and VT-6

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P119042** | CIVCONTR | U | SCANEAGLE OPERATOR INITIAL QUALIFICATION TRAINING | 10 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

To train operators of ScanEagle UAS, ready for entry into customer-operational environment. Training includes academics, flight, simulator exercses, operations through the IMUSE software, ground support equipment, ground station setup and operations, emergency procedures, payload setup and operations, operator level maintenance exercises, tactical employment, site setup, and final operations training exercise. Special Notes: The students must be able to comprehend written and verbal English language with technical vocabulary. The ScanEagle user interface, including interactive checklists, aural warnings, and indicators, is in English. All instructional materials are presented in English. Therefore, even though Insitu will make every reasonable effort to provide unscheduled remediation for foreign students with comprehension problems, including use of foreign language-speaking staff where feasible, solid comprehension is a necessity. Otherwise, the risk and costs of failing to complete the course within the 10 week schedule should be considered a likelihood. This course can be conducted at a customer base of operations with suitable facilities and airspace. "ECL IS WAIVERABLE AT THE SCHOOLS DISCRETION ON A CASE BY CASE BASIS".

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119043** | CIVCONTR | U | SCANEAGLE MAINTAINER TRAINING | 5 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

To train Maintainers of the ScanEagle UAS, ready for entry into the customer's-operational environment. Training includes academics, basic and advanced maintenance techniques and exercises, ground support equipment, ground control station, ground operations training, and site maintenance training. Special Notes: Electrical or Elecronic maintenance background strongly preferred. The students must be able to comprehend written and verbal English language with technical vocabulary. The ScanEagle user interface, including interactive checklists, aural warnings, and indicators, is in English. All instructional materials are presented in English. Therefore, even though Insitu will make every reasonable effort to provide unscheduled remediation for foreign students with comprehension problems, including use of foreign-language-speaking staff where feasible, solid comprehension is a necessity. This course can be presented at a customer base with suitable facilities.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119047** | CIVCONTR | U | SCANEAGLE INSITU VIDEO EXPLOITATION SYSTEM (IVES) | 1 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

This course provides imagery analysts with a detailed knowledge on how to capture, manage, and exploit video and metadata from the Unmanned Aircraft Vehicle (UAV). This course makes use of classroom and hands-on experiential learning to focus on the systems and applications that, with the Unmanned Arial System (UAS), provides the foundation for imagery analysts to capture and process ScanEagle motion imagery data. Notes: Formal training as an Imagery Analyst and field experience is required to grasp the learning objectives of this course. The students must be able to comprehend written and verbal English language with technical vocabulary focusing on tactical coordination. The ScanEagle user interface, including interactive checklists, aural warnings, and indicators, is in English. All instructional materials are presented in English. Insitu will make every reasonable effort to provide sufficient staff to support unscheduled remediation for foreign students with comprehension problems, including use of foreign-language-speaking staff where feasible. Pre-learning with interactive courseware is offered to provide ScanEagle vocabulary and basic systems knowledge. This course can be presented at a customer base with ScanEagle UAS operations and suitable facilities.

**PRE-REQUISITE:**

**COURSE NOTES:** ECL IS WAIVERABLE AT THE SCHOOLS DISCRETION ON A CASE BY CASE BASIS.

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| **P119048** | CIVCONTR | U | SCANEAGLE MISSION COORDINATOR TRAINING | 2 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

The ScanEagle Mission Coordinator course is designed to provide students with the knowledge, skills and abilities needed to effectively oversee mission execution of the ScanEagle UAS. The course prepares the MC to perform critical liaison functions between UAV ISR support operations and the war-fighter customer. The course provides understanding of air/ground contingency operations and experiential learning through simulation and flight operations to prepare for operations in a dynamic environment, including multiple, simultaneous UAV operations in complex and hazardous airspace. Notes: Tactical aviation or mission command and control experience is required to grasp the learning objectives of this course. The students must be able to comprehend written and verbal English language with technical vocabulary focusing on tactical coordination. The ScanEagle user interface, including interactive checklists, aural warnings, and indicators, is in English. All instructional materials are presented in English. Insitu will make every reasonable effort to provide sufficient staff to support unscheduled remediation for foreign students with comprehension problems, including use of foreign-language-speaking staff where feasible. Pre-learning with interactive courseware is offered to provide ScanEagle vocabulary and basic systems knowledge. This course can be presented at a customer base with ScanEagle UAS operations and suitable facilities.

**PRE-REQUISITE:**

**COURSE NOTES:** ECL IS WAIVERABLE AT THE SCHOOLS DISCRETION ON A CASE BY CASE BASIS.

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| **P119052** | CIVCONTR | U | SCANEAGLE FAM COURSE | 0.8 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

Insitu's Familiarization Course is a 30-hour course designed to provide our customers with training for supervisors and unit tactical leaders who need a relatively brief overview of the ScanEagle product line operations. The Familiarization Course supports their decision-making processes about employment of the UAS in Combined Arms Tactical environments. The knowledge, skills, and abilities taught in the Familiarization Course enable effective oversight for leaders during mission execution.

**PRE-REQUISITE:**

**COURSE NOTES:** ECL IS WAIVERABLE AT THE SCHOOLS DISCRETION ON A CASE BY CASE BASIS.

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| **P119053** | N/A | U | FAST CHARACTERIZATION TOOL (FACT) TRAINING | 0.4 | VAR | |

**ECL:** 70 **EIMET:** No

THE FACT PERFORMS THE FOLLOWING SPECIFIC FUNCTIONS: MEASURES MAGNETIC FIELD IN THE COCKPIT AND MEASURES A/C BORESIGHT RELATIVE TO THE MEASURED MAGNETIC FIELD, USING HUD OR BORESIGHT REFERENCE UNIT (BRU) IMAGERY. GENERATES MCD AND LOADS IT TO A/C EU AND MTU. VERIFIES MAP ACCURACY AS A POSTMAPPING PROCESS. PROVIDES BUILT-IN TEST (BIT) CAPABILITIES. ENABLES USER TO DOWNLOAD MCD STORED IN EU TO FACT NOTEBOOK. THE FACT IS AN AUTHORIZED ALTERNATIVE TO THE LEGACY COCKPIT MAGNETIC MAPPING FIXTURE.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119060** | D- 2G-0200 | U | HELICOPTER CONTROL OFFICER (HCO) | 1 | PHSE | Norfolk, VA 23511-2296 |

**ECL:** 80 **EIMET:** No

To familiarize Non-Aviation Officers and Senior Enlisted sup ervisory personnel with the requirements necessary for safe and efficient Helicopter operations aboard Air capable ships. Scope: This course is to familiarize Non-Aviation Officers and Senior Enlisted supervisory personnel with shipboard helicopter operations. The classroom and field training shall include instruction in: - Publications pertaining to helicopter operations - Aviation facilities certification . - Operational characteristics of helicopters. - Aviation Safety program. - Helicopter emergency situations and ship respones. - Night Vision Goggle (NVG) stage one classroom training. - Procedures and requirements for helicopter deck evolutions including: - launch and recovery. - personnel and cargo transfer. - VERTREP. - Hoisting, HIFR and MEDIVAC procedures.

**PRE-REQUISITE:** Possess qualities of mature judgement and be highly motivated.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119061** | N/A | U | UNDERGRADUATE PILOT T-6 SYSTEMS PREP TRAINING | 4 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Provide T-6A/JPATS Systems Prep Training to RSAF Cadets following Initial Flight Screening (IFS) (119036). Course includes T-6 Systems, Flight Instruments, Communication, Navigation, Aviation Physiology, Emergencies Procedures, Computer Aided Instruction, and T-6 Simulator Practice.

**PRE-REQUISITE:** This T-MASL captures only the NITC overhead portion of the training. The Contractor portion (T-MASL P366CS8) with associated costs must also be programmed.

**COURSE NOTES:**

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| **P119064** | N/A | U | E2-C OPER FLT TRAINER | 3 | PVAW | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

To provide safe and effective training for E2-C personnel in skills and techniques required for performance as qualified members of E2 flight crew.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119065** | N/A | U | RECONFIGURABLE FLIGHT TRNG DEVICE (RFTD) | 2 | PVAW | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

Students will attend E-2 pilot training using the Reconfigurable Flight Trainer Device (RFTD). Training will focus on various procedures such as Emergency procedures, instrument approach procedures, and Cockpit Resource Management training.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119069** | CIVCONTR | U | SCANEAGLE FIELD TRAINER COURSE | 2 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

The ScanEagle Field Trainer course is designed to provide experienced ScanEagle operators with the procedures, techniques, and instructional methodologies to instruct and mentor new field service representatives on their initial operator experience training as well as provide differences training in reposnse to configuration and version changes to ScanEagle UAS components. Upon successful completion of this course, the field trainer under instruction (UI) will be designated by Insitu as a field trainer qualified to perform the following: initial operator experience training (mentor new operators), issue endorsements (difference training), conduct currency training (to include basic system operation, emergency procedures, and tactical operation).

**PRE-REQUISITE:**

**COURSE NOTES:** Class Size: Up to four (4) students per class.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119074** | CIVCONTR | U | SCANEAGLE CERT RENEWAL COURSE (CRC) | 2 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

The end user organization wants the individual to be able to train/keep current, other Polish operators. The individual selected for this position, must be current themselves and hold a valid Scan Eagle Operator's Certificate. Both of these are prerequisites are for the Field Trainer Course. Since this person does not meet currency standards and has an outdated operator's certificate, both must be renewed. When these are renewed, the person will be able to meet the prerequisites and attend the FTC.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119075** | C-198-3629 | U | V-22 FLIGHT CONTROL SYS TRANSITIONAL ORG MAINT | 1.8 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, aviation Electrical/Electronic Technicians will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the Flight Control System, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 FLIGHT CONTROL SYSTEM 2. CYCLIC CONTROL SYSTEM 3. THRUST/POWER CONTROL SYSTEM 4. YAW CONTROL SYSTEM 5. FLIGHT CONTROL SYSTEM CONTROLS AND DISPLAYS 6. FLIGHT CONTROL SENSING SYSTEMS 7. FLIGHT CONTROL PROCESSING 8. FLIGHT CONTROL HYDRAULIC ACTUATORS Special Notes: Students must have normal color perception Student require Steel Toe Shoes

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119076** | C-603-3629 | U | V-22 AIRFRAMES TRANSITIONAL ORGANIZATIONAL MAINT | 5 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Airframe Technician will have sufficient knowledge/skills, including operation, rigging, damage assessment and composite repair, to perform, under supervision, organizational maintenance on the V-22 in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 AIRFRAME 2. STRUCTURAL ASSEMBLIES AND MAINTENANCE 3. COMPOSITE REPAIR

**PRE-REQUISITE:**

**COURSE NOTES:** Students must have normal color perception

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| **P119077** | C-601-3629 | U | V-22 MECHANICS TRANSITIONAL ORGANIZATIONAL MAINT | 4 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, V-22 Mechanic will have sufficient knowledge/skills, including Utility, Proprotor, Proprotor Track and Balance, Drivetrain, Powerplant, Airborne Auxiliary Power Unit, Aircraft Fuel, Blade Fold / Wing Stow Systems, and the Environmental Control Systems to perform, under supervision, organizational maintenance on the V-22, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction to the Course, Powerplant and Related Systems 2. Powerplant and Related Systems Operation and Maintenance 3. Proprotor System Operation and Maintenance 4. Drivetrain System Operation and Maintenance 5. Airborne Auxiliary Power Unit 6. Aircraft Fuel Systems Operation and Maintenance 7. Blade Fold/Wing Stow System Operation and Maintenance 8. V-22 Environmental Control Systems.

**PRE-REQUISITE:** Must be a graduate of P119066 M0568E1 / M-601-6116 MV-22 TILTROTOR MECHANICS (OSPREY)

**COURSE NOTES:** Special Notes: Students must have normal color perception

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| **P119078** | C-600-3626 | U | V-22 AIRCRAFT FAMILIARIZATION (INITIAL) ORG MAINT | 1 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

V-22 AIRCRAFT FAMILIARIZATION (INITIAL) ORGANIZATIONAL MAINTENANCE Upon completion of this course, V-22 Aircraft Maintainers (all Organizational Level MOS's) will have sufficient knowledge of the V-22 aircraft, systems, safety precautions, and Interactive Electronic Technical Manuals (IETM), to perform under supervision, organizational maintenance in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction to the Course and Aircraft/Composite Safety 2. Introduction to V-22 Aircraft Systems Familiarization 3. Interactive Electronic Technical Manuals (IETM) Special Notes: Students must have normal color perception

**PRE-REQUISITE:** Must be a graduate of P119072 M-603-6156 - Aviation Structural Mechanic and P131380 C-602-2039 -Aviation Electricians Mate

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119079** | C-102-3628 | U | V-22 AVIONICS SYSTEMS (TRANSITION) ORG MAINTENANCE | 3 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

V-22 AVIONICS SYSTEMS (TRANSITION) ORGANIZATIONAL MAINTENANCE Upon completion of this course, Aviation Electrical/Electronic Technician will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the Avionics System, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 AVIONICS SYSTEMS 2. COMMUNICATION SYSTEMS 3. IDENTIFICATION SYSTEMS 4. NAVIGATION SYSTEMS 5. NAVAIDS SYSTEMS. Special Notes: Students must have normal color perception Student require Steel Toe Shoes

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119081** | C-198-3630 | U | V-22 COCKPIT MGT SYS TRANSITIONAL ORG MAINT | 1.8 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Aviation Electrical/Electronic Technicians will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the V-22 Cockpit Management System and V-22 wiring and connector repair, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE COCKPIT MANAGEMENT SYSTEM 2. CONTROL AND DISPLAY SYSTEM 3. ADVANCED MISSION COMPUTER 4 . DATA PROCESSING SYSTEM 5. INTERFACE UNITS/FLIGHT INCIDENT RECORDER 6. HEADS UP DISPLAY SYSTEM 7. CONTROL AND DISPLAY SYSTEM 8. V22 SPECIFIC WIRE AND CONNECTOR REPAIR

**PRE-REQUISITE:** Must be a graduate of M-102-3620 P119080 COURSE V-22 AVIONICS TRANSITION (OSPREY) PIPELINE

**COURSE NOTES:** Special Notes: Students must have normal color perception

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| **P119082** | C-102-3631 | U | V-22 ELECTRICAL SYS TRANSITIONAL ORG MAINTENANCE | 4.2 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Aviation Electrical Technician will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the Electrical Systems, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 ELECTRICAL SYSTEMS 2. ELECTRICAL POWER 3. LIGHTING SYSTEM 4. FUEL SYSTEM 5. POWER PLANT AND RELATED 6. FIRE PROTECTION SYSTEMS 7. HYDRAULIC AND RELATED SYSTEMS 8. ENVIRONMENTAL SYSTEMS 9. BLADE FOLD AND WING STOW SYSTEMS 10. MISCELLANEOUS SYSTEMS 11. ENGINE DIAGNOSTICS AND MONITORING SYSTEMS

**PRE-REQUISITE:**

**COURSE NOTES:** Students must have normal color perception Student require Steel Toe Shoes

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| **P119085** | N/A | U | UAS OPERATIONS AND PLANNING (UASOP) | 4 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course teaches entry level students the necessary skills and competencies needed to plan and conduct UAS operations with operational safety as the paramount objective. The UASOP Course aims to teach entry level students necessary skills and competencies to operate the Puma AE Digital Data Link (DDL) Small Unmanned Aerial System (SUAS), under supervision, in tactical environments. The course is comprised of four segments utilizing both basic and advanced skill sets which include the following topics: Basic Computer Skills, Falcon Lite, Flight Operations, Mission Planning, Airspace Management and Emergency Procedures. All training areas are reinforced by practical examinations and a final Skills Development Test to ensure that all students have attained proficiency in course objectives.

**PRE-REQUISITE:** Students attending the UAS course must have basic computer skills with specific knowledge in Microsoft Office, be able to calculate basic mathematic equations, have 20/20 vision correctable, be physically fit, be able to lift a minimum of 40lbs overhead, and have no permanent or temporary profiles that would interfere with the student's ability to launch, operate or recover the air vehicle.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119086** | CIVCONTR | U | SCANEAGLE AVIATION FUNDAMENTALS | 1 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

The course will include instruction on the basic aerodynamics airspace and weather. The intent is to provide students with the baseline knowledge about these topics so they have the core knowledge to succeed in the UAS Familiarization and Mission Coordinator courses.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P119088** | N/A | U | AVTRA T-45 SIMULATOR | 0 | PTWM | Meridian, MS 39305 |

**ECL:** 80 **EIMET:** No

AVTRA T-45 SIMULATOR FLT HRS: 0.0 SIM HRS: 1.0 CQ HRS: 0.0 Training tailored for individual country requirements.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P119093** | N/A | U | HAAR GROUND COURSE | 0.6 | PJ33 | Kadena AB, JA |

**ECL:** 80 **EIMET:** No

This is a three day course taught by instructors from the US Air Force's 33rd Rescue Squadron based in Okinawa. Course is designed to be taught in Okinawa to prepare Japan (or other international) H-60 pilots to complete the in-flight training events under T-MASL P114093 for initial qualification for the HAAR mission. Instruction in approaches to the refueling platform (C-130s), check points, emergency procedures, breakaway procedures, briefing and debriefing HAAR flight evolutions.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P119094** | Q- 2D-0171 | U | UMFO MC2 ADVANCED MC2 CORE | 10.2 | PTWP | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

UMFO MC2 ADVANCED MC2 CORE (CNATRAINST 1542.171) FLT HRS: 0.0 SIM HRS: 33.0 CQ HRS: 0.0 Course Descirption: UMFO Advanced MC2 Training System Curriculum per . Course mission: The mission of UMFO Advanced MC2 training is to qualify Student Naval Flight Officer (NFO) graduates for follow-on advanced flight training and prepare them for their future responsibilities as military officers.

**PRE-REQUISITE:** P119301 (AVIATION PREFLIGHT INDOCTRINATION - Q-9B-0020); P114046 (PRIMARY 1 UMFO - CIN Q-2D-0385)

**COURSE NOTES:** At Training Squadron FOUR (VT-4) UIC 43907

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|---|---|---|---|---|---|---|
| **P119095** | CIVCONTR | U | NIGHT VISION IMAGING SYSTEMS EVALUATION TECHNIQUES | 2 | PTPS | Mojave, CA 93502-0658 |

**ECL:** 70 **EIMET:** No

This course is designed to provide technical and human factors information regarding NVGs, NVIS (NVG compatible) lighting, and the integration of both in the aircraft. Emphasis is placed on system evaluation techniques, which are based on years of practical experience in a number of different aircraft. Topical information in the academic lectures is reinforced during NVG lab and aircraft demonstrations. Anticipated Student Academic Outcomes Upon successful completion of this course of instruction, the student will have a basic understanding NVG and NVIS lighting technology, the integration of NVGs from a system perspective, and ground and flight evaluation procedures and data analysis of NVGs and NVIS lighting. Be familiar with 1. The history, evolution and current applications of night vision goggles. 2. Different types of night vision goggles. 3. Human factors considerations associated with the use of NVGs 4. NVIS interior and exterior lighting methods. 5. Electro optic senses integration. Understand 6. NVIS evaluation techniques. Sequence of Instruction NVG Technology NVG Components/Adjustment Procedures NVIS Lighting Specifications NVIS Lighting Methods: Interior NVIS Lighting Methods: Exterior Test Criteria Development NVG and NVIS Lighting Evaluation Techniques Introduction to EO Theory EO Sensor Integration NVG Flight Mishaps Texts and Reference Materials: NTPS Course notes Instructional Methodology: Lectures, NVG laboratory and Aircraft demonstrations Process of Evaluation: Examinations

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119097** | N/A | U | T&E 4204 FLIGHT TEST OF RADAR/ELECTRONIC WARFARE | 1.4 | PTPS | Mojave, CA 93502-0658 |

**ECL:** 70 **EIMET:** No

The basic concept and modes of operation as well as RADAR fundamentals are explained in detail. The course is designed to assist the student in the development and test of airborne RADAR systems. The student is afforded hands-on operation of the Camber Corporation RADAR toolkit. This simulation is a complex, real-world, energy level model of the emitted radio transmissions and incorporates a digital terrain database to show the student effects of changing RADAR parameters on RADAR performance. Lectures cover basic RADAR theory as well as the multi-mode operation of today's airborne applications. The student will learn the most correct and efficient methods of demonstrating specification compliance and performance of airborne RADARs. Anticipated Student Academic Outcomes Upon successful completion of this course of instruction, the student will have a basic understanding of performance flight test procedures, techniques, and data analysis. He/she will: Be familiar with 1. Basic RADAR and EW fundamentals. 2. RADAR modes of operation. 3. Millimetric wave RADAR. Understand 4. The theory, flight test procedures, techniques and data analysis associated with RADAR and EW systems. 5. RADAR and EW test methods. 6. RADAR and EW test considerations. Sequence of Instruction RADAR Basics Fundamentals of Airborne RADAR Multi-mode RADARS; Modes of Operation RADAR Test Methodology AGARD Test Methodology Differences EW Terminology Passive Electronic Warfare Active Electronic Warfare Jammer Types Electronic Attack, Protection and Support Devices EW Flight Test Texts and Reference Materials "Introduction to Airborne RADAR," G. W. Stinson, Second Edition NTPS Course notes Instructional Methodology Lectures Ground Labs Videos

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P1190JT** | N/A | U | OJT AVIATION OPS - CONUS | 1 | VAR | |

**ECL:** 80 **EIMET:** No

Tailored on the job aviation training at CONUS sites.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119111** | N/A | U | P3CUDIII/AIP ENG RUSIM | 1 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 80 **EIMET:** No

To provide facilities for P-3C aircraft systems training in the 2C41 simulator.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119118** | N/A | U | NITC FIXED-WING PILOT PREP (WHITING FIELD) | 1 | PNWF | Milton, FL 32570 |

**ECL:** 80 **EIMET:** No

NITC FIXED-WING PILOT PREP (WHITING FIELD) ******STUDENTS MUST BE PROGRAMED IN P112005 IN CONJUNCTION WITH THIS COURSE.****** This NITC course provides additional aviation instruction to P112005 in the following areas: Aircraft Systems, Aerodynamics, Preflight, Emergency Procedures, Course Rules, Cockpit Training/Trainers, IFR Procedures, Instrument Navigation, Meteorology, Flight Planning, FMS Practice, Flying Fundamentals, Operating Procedures, Contact Flt Procedures, Basic Instruments, and Radio Instruments.

**PRE-REQUISITE:** ECL 80 and OPI 2/2 ******STUDENTS MUST BE PROGRAMED IN P112005 IN CONJUNCTION WITH THIS COURSE.****** This T-MASL captures NITC Whiting DET operational costs. The CNATRA T-MASLs P112005 must also be programmed to capture the training.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P119119** | N/A | U | NITC ROTARY PILOT PREP (WHITING FIELD) | 1 | PNWF | Milton, FL 32570 |

**ECL:** 80 **EIMET:** No

NITC ROTARY PILOT PREP (WHITING FIELD) ******STUDENTS MUST BE PROGRAMED IN P113301 IN CONJUNCTION WITH THIS COURSE.****** This NITC course provides additional aviation instruction to P113301 in the following areas: Aircraft Systems, Aerodynamics, Preflight, Emergency Procedures, Course Rules, Cockpit Training/Trainers, IFR Procedures, Instrument Navigation, Meteorology, Flight Planning, FMS Practice, Flying Fundamentals, Operating Procedures, Contact Flt Procedures, Basic Instruments, and Radio Instruments.

**PRE-REQUISITE:** ECL 80 and OPI 2/2 MUST BE PROGRAMED IN P113301 IN CONJUNCTION WITH THIS COURSE.****** This T-MASL captures NITC Whiting DET operational costs. The CNATRA T-MASL P113301 must also be programmed to capture the training.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119120** | CIVCONTR | U | SCANEAGLE MARITIME PILOT RATING (MPR) | 1.6 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

The ScanEagle Maritime Pilot Rating is designed to train a certified ScanEagle Pilot/Operator for operations onboard a maritime vessel. Students will learn through a training methods. Upon successful completion of the maritime course, pilots will receive the ScanEagle Maritime Pilot Rating. The Maritime Pilot Rating includes training on the latest I-MUSE version for Maritime environments and Carbureted Heavy Fuel Engine (HFE) Pilot/Operator Endorsements.

**PRE-REQUISITE:** SCANEAGLE MARITIME PILOT RATING Prerequisite Text: Additionally, it is strongly recommended that a student complete maritime flights on an actual ship under the supervision of an Insitu Pilot Instructor or Field Trainer before they are considered fully qualified. This could be done through the utilization of ScanEagle Operator On-the-Job Training (T-MASL P309520 MTT ScanEagle Operator OJT).

**COURSE NOTES:**

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| **P119121** | CIVCONTR | U | SCANEAGLE OPERATOR/PILOT ENDORSEMENT TRAINING | 1.6 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

ScanEagle Operator/Pilot Endorsement Training is designed to provide specific technology endorsement training not covered in basic courses. This course may be needed for customized customer configurations/ payloads/ or technologies. Please contact INSITU UAS Training or INSITU Customer Program Manager for endorsement questions.

**PRE-REQUISITE:**

**COURSE NOTES:** Course is designed to directly follow basic training courses, but can be utilized for technology insertions or upgrades and offered as a standalone course. Duration: 5 - 10 Training Days (depending on technology)

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|---|---|---|---|---|---|---|
| **P119122** | CIVCONTR | U | SCANEAGLE MAINTENANCE TECHNICIAN ENDORSEMENT TRNG | 1.6 | PIGI | Bingen, WA |

**ECL:** 80 **EIMET:** No

ScanEagle Maintenance Technician Endorsement Training is designed to provide specific technology endorsement training not covered in basic courses. This course may be needed for customized customer configurations/ payloads/ or technologies. Please contact INSITU UAS Training or INSITU Customer Program Manager for endorsement questions. Special Notes: Course is designed to directly follow basic training courses, but can be utilized for technology insertions or upgrades and offered as a standalone course.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: 5 - 10 Training Days (depending on technology)

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|---|---|---|---|---|---|---|
| **P119301** | Q- 9B-0020 | U | AVTRA PRE-FLIGHT INDOC | 6.2 | PAVS | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

To promulgate the curriculum for training aviation preflight indoctrination officers. The Aviation Preflight Indoctrination (API) School is a Voluntary High Risk course designed to provide commissioned officers in the U.S. Navy, U.S. Marine Corps, U.S. Coast Guard, U.S. Air Force and selected International Military Officers (IMO) with basic skills and knowledge needed for Primary Flight Training and Basic Naval Flight Officer Training. Successful completion of this course is a prerequisite for Primary Flight and Basic Naval Flight Officer Training. SCOPE: Academic instruction totaling 84.5 hours includes instruction in Flight Rules and Regulations, Meteorology Theory, Air Navigation, T-34 Engines, T-34 Aerodynamics, Aviation Safety, Aviation Student Information and Aircrew Coordination Training. Survival training totaling 146.5 hours includes the subjects of aviation physiology, swimming, land and sea survival, and physical fitness.

**PRE-REQUISITE:** THIS IS A PREREQUISITE COURSE FOR THE FOLLOWING MASLS: P114001 AVTRA PRIMARY NFL T34", Q-2D-0012 P114039 UMFO ADV MC2-MPR, Q- 2D-0171; Q-2D-2171 P119302 AVTRA MPTS PRIMAR FLT T-34, Q- 2A-0030 P119391 AVTRA MSPT PRIM FLT T34 T-6A", Q-2A-0030. OTHER: MUST BE A VOLUNTEER. Entry test scores as required by DCNO (MPT)/CNP OP-01. IMO - English language comprehension test score and other requirements of DCNO (MPT)/CNP OP-01. Meet Navy flight physical requirements as stipulated by the Bureau of Medicine and Surgery for aviation personnel. Be qualified as a third class swimmer. Pass the standard Navy Physical Readiness Test with an overall grade of good or better.

**COURSE NOTES:** Standard working uniform required, should be country`s equivalent working uniform. Camouflage / Utilities are not authorized for wear during training. Flight suits are worn upon reaching certain milestones / flight operations.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P119311** | SPECIAL | U | INTL BASIC AVIATION PREP | 0 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

****THIS IS HIGH RISK TRAINING**** Prepare international officers as Pilots and Weapons Systems Operators for successful completion of U.S. Naval Aviation training. This curriculum consists of six primary areas of instruction: Aerodynamics, Aircraft Engines, Navigation, Flight Rules and Regulations, Meteorology, and Physical Fitness/Survival Swim/CPR/First Aid.

**PRE-REQUISITE:** THIS TRAINING REQUIRES AN AVIATION FLIGHT PHYSICAL The Basic Aviation Preparatory Training curriculum supports preparatory instruction prior to entry into the U.S. Navy undergraduate pilot and naval flight officer training pipelines. This curriculum consists of six primary areas of instruction: Aerodynamics, Aircraft Engines, Navigation, Flight Rules and Regulations, Meteorology, and Physical Fitness/Survival Swim/CPR/First Aid. Further, this training supports students with ongoing preparatory instruction throughout the U.S. Naval Aviation pilot and naval flight officer training pipelines. This T-MASL captures only the NITC overhead portion of the training. The Contractor portion (T-MASL P366CS8) with associated costs must also be programmed.

**COURSE NOTES:**

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| **P119377** | N/A | U | SH-60F/R SIMULATOR (OFT) | 1 | PHCT | San Diego, CA 92135-7122 |

**ECL:** 80 **EIMET:** No

To provide safe and effective training for SH-60F/R personnel in skills and techniques required for performance as qualified members of SH-60 flight crew.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration and type of simulator training can be tailored to meet the requesting country's training objectives. Please contact the IMSO for further information.

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|---|---|---|---|---|---|---|
| **P119703** | N/A | U | SH-2G(E) SENSOR OPERATOR | 1.6 | PHAJ | Jacksonville, FL 32212 |

**ECL:** 80 **EIMET:** No

To train students how to operate the SH-2G(E) Sensor Operator.

**PRE-REQUISITE:**

**COURSE NOTES:** Student must possess a Secret Clearance in order to access the facility where training takes place.

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| **P119705** | N/A | U | SH-2G PILOT SIMULATOR TRAINING | 2 | PHAJ | Jacksonville, FL 32212 |

**ECL:** 80 **EIMET:** No

Training will be conducted on the SH-60 simulator which shares many common characteristics of the defunct SH2 simulator formerly used in Willow Grove, PA

**PRE-REQUISITE:**

**COURSE NOTES:** Student must possess a Secret Clearance in order to access the facility where training takes place.

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| **P120144** | SPECIAL | U | MRAP OPERATOR COURSE | 3 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

To train international students in the proper operation and field use of US manufactured MRAP (Mine-Resistant Ambush Protected) vehicles.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P121006** | A-221-0100 | U | INTERNATIONAL AIC PROFICIENCY MAINT | 1 | PASP | San Diego, CA 92136-5588 |

**ECL:** 80 **EIMET:** No

To provide the facilities, air services, tactical simulation, and classroom instruction required for current and qualified air intercept controllers to maintain their proficiency during fleet inport periods or while billeted ashore. The course also provides facilities for airborne AIC s to maintain their proficiency. This course consists of actual air intercept control, conventional or NTDS, along with tactical ACM simulation to enhance control proficiency.

**PRE-REQUISITE:** P129126

**COURSE NOTES:** PROGRAM WITH P179401 (SEPARATE COST FOR FLIGHT HOURS)

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P121021** | PCP-UNCLAS | U | OJT AFLOAT CONUS - PACFLT | 1 | PSHP | Various |

**ECL:** 70 **EIMET:** No

To provide at the unclassified level, shipboard experience in the Pacific. Training helps develop skills in ship handling/ship piloting, seamanship navigation, naval communication and weaponry, bridge/CIC watch standing, use of shipboard communications, operation of gunner/missile systems. OJT provides knowledge of independent and fleet operations and ship and squadron organization.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P121022** | K- 2G-0390 | U | INTL CIC WATCH OFFICER | 3 | PSWS | Newport, RI 02841 |

**ECL:** 70 **EIMET:** No

Prepares International Officers (O-1 to O-2) with training in basic CIC operations during routine peacetime steaming. Emphasis is on multi-threat warfare areas, CIC equipment, special maneuvering, and CIC navigation. Upon completion, the student is prepared to plan, coordinate and manage the supervision of all CIC operations and training during routine peacetime steaming.

**PRE-REQUISITE:**

**COURSE NOTES:** Family Members are STRONGLY DISCOURAGED to accompany the Students due to the high cost of living in Newport RI. The servicing airport is TF Green in Providence RI. Please have the students arrive before 1700. AFTER HOURS IMSO CONTACT: 817-874-0011

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| **P121023** | A-221-0112 | U | AIC INTL BASIC | 4 | PASP | San Diego, CA 92136-5588 |

**ECL:** 80 **EIMET:** No

To train selected senior enlisted personnel in the duties, responsibilities, and skills required of Combat Air Intercept Controllers, especially to: analyze and transmit to the interceptor aircrew the necessary tactical information required to perform their mission in both the combat and training environments in accordance with current fleet doctrine and directives; advise command during the planning stages of Air Defense anti-air warfare on the capabilities, limitations, and employment of current U.S. and threat aircraft and associated weapon systems in accordance with current tactical manuals and threat intelligence; and, inform command of mission progress and aircraft status on a continuing basis using standard Navy phraseology and appropriate brevity code words. Scope: This course consists of classroom instruction reinforced by practical training in communication with aircrews; duties and responsibilities of Combat Air Intercept Controller; aircraft characteristics; sources of flight and tactical information; Air Defense anti-air warfare; airborne threats; friendly air-to-air weapons; intercept geometry; the air combat arena; equipment operations; emergencies and search and rescue operations; and, non-intercept air control.

**PRE-REQUISITE:**

**COURSE NOTES:** PROGRAM WITH P179401 (SEPARATE COST FOR FLIGHT HOURS)

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| **P121042** | AIR NATIONAL GUARD TRNG | U | JT ATTACK CONTROLLER ACADEMICS | 2 | PSAW | Fallon, NV 89496-5000 |

**ECL:** 70 **EIMET:** No

Academic portion of MASL P121044 - JTAC CONTINUATION TRAINING.

**PRE-REQUISITE:**

**COURSE NOTES:** This academic course is the exact same as the two week academic portion given during the JTAC course, except that on one day the international students will be given a day off while the US students cover material that is classified secret.

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| **P121044** | N/A | U | JTAC CONTINUATION TRAINING | 0 | PMNG | Alpena, MI 49707 |

**ECL:** 80 **EIMET:** No

Joint Tactical Attack Controller (JTAC) Continuation Training Purpose: JTAC continuation training to include top off controls after completion of academics phase. Special Note: Limited Class size of 6 students

**PRE-REQUISITE:** Academic Phase - P121022 - JT ATTACK CONTROLLER ACADEMICS

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P121062** | N/A | U | JO/NCO LEADERSHIP AND PLANNING (JNPL) | 2 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course is designed for Company level junior officers and senior enlisted personnel. JNPL provides International Special Operations, conventional or law enforcement agencies with the knowledge and skills required for the tactical deployment of Special Operations detachments with Operational level mission planning. This course will provide SOF Junior and Non-Commissioned Officers with instruction in SOF and Conventional force roles and structure, small unit leadership theory and development, public speaking, troop leading procedures, operational risk management, mission tasking, and mission planning.

**PRE-REQUISITE:** Students attending the JNPL course must have basic computer skills with specific knowledge in Microsoft Office, be able to calculate basic mathematic equations, have 20/20 vision correctable, be physically fit, and be able to lift a minimum of 40lbs overhead. Since JNPL is the precursor to SOF Tactical Patrol Leader (SOFTPL), physical fitness and land navigation requirements for SOFTPL apply to all students who plan on enrolling at the conclusion of JNPL. The requirements for SOFTPL are a graded fitness test, as well as a written and practical land navigation assessment during the first week of instruction. Failure of either of these tests will result in student dismissal from the SOFTPL course and return to parent country.

**COURSE NOTES:**

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| **P121063** | N/A | U | INTEL FUSION OPERATIONS AND INTEGRATION (IFOI) | 3 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course provides International Special Operations (SOF) and civilian equivalent personnel the training needed to effectively fuse intelligence and integrate intelligence into operations. This course enables students to anticipate and predict enemy operations, identify and locate enemy forces, and perform intelligence exploitation analysis of personnel and materiel. Course includes topics on intelligence preparation in an operational environment, determining intelligence requirements, collection management, threat tactics and evaluation, reporting procedures, intel report analysis, information delivery, reconnaissance, surveillance planning, targeting processes, AND urban network analysis. The course concludes with an operational intelligence practical exercise to ensure that all students have met course objectives.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is for International Students only.

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| **P121400** | N/A | U | OJT NAVSPECWARCOM | 1 | VAR |

**ECL:** **EIMET:** No

OJT NAVSPECWARCOM Tailored on the job training from Naval Special Warfare Command.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P121903** | N/A | U | JT ATTACK CONTROLLER RANGE TRAINING | 2 | PSTW | NAS Fallon, NV 89496-5000 |

**ECL:** 70 **EIMET:** No

This MASL consist only of the live training on the range portion of MASL P121902 JT ATTACK CONTROLLER Purpose: To develop and demonstrate proficiency as a TAC Scope: Required to demonstrate the ability to conduct CAS/Fire Support Planning, briefing, and execution. Ability to conduct Precision Guided Munitions (PGM) employment and Bomb Hit Assessment (BHA).

**PRE-REQUISITE:**

**COURSE NOTES:** Remember, to go through the certification to become a JTAC, the candidate requires minimum of one year in a position with operation or mission ready fire support exposure. During your time at the range the international student can expect on average 4 hours of training with aircraft. Involved with this training students should expect on average 18 controls during day an night training controlling FA-18 aircraft dropping Mk-76 training rounds, laser guided training rounds and 20MM rounds. Because of the number of students on the range during one time, the average training per student may vary. Also realize that the average four hours allotted CAS training is not a continuous 4 hour window. Instead, that time will be spread out during a 1-2 week period. In between the time allotted on the radio controlling aircraft, the students will also be working with sand tables and observing other students on the range.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122000** | N/A | U | COMBAT LIFESAVER COURSE | 2 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course is designed for junior officers and enlisted personnel to support their primary combat mission. This two week course is designed to provide non-medical students with advanced lifesaving skills to include: hemorrhage control, maintaining casualty airway, managing penetrating chest injury, managing shock casualties, managing heat injuries, managing burn casualties, splinting techniques, evacuating casualties, and casualty assessment. Training will be accomplished through a combination of classroom and practical application exercises.

**PRE-REQUISITE:** Follow medical and dental screening & requirements as set forth in the Joint Security Cooperation Education and Training Instruction (JSCET 3 Jan 11). At a minimum, candidates should be in good to excellent medical and dental health to include HIV, TB and chest X-rays, normal vision (correctable to 20/20), normal hearing and manual dexterity. In addition, students should demonstrate general aptitude in basic reading comprehension, basic computer skills, writing abilities and math skills. All countries, Military Groups and Security Cooperation Officers should carefully select and screen properly prospective students in accordance with current directives, considering the candidate's rank, age, experience, formal prior training and the student's ability to represent his/her country favorably in the United States.

**COURSE NOTES:** SCOs & FSNs: If you are sending students to this course for 2 weeks only, you MUST advance FULL TLA AMOUNT prior to his arrival. No exceptions. We cannot process payroll in less than 2 weeks. Highly recommended as a follow-on course, "Train the Trainer" model." Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). This course can be taught in English or Spanish, check with IMSO for the right dates.

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| **P122006** | K-431-0139 | U | NAVAL SPECIAL WARFARE LEAD BREACHER | 4 | PAPH | Bowling Green, VA 22427 |

**ECL:** 80 **EIMET:** No

THIS IS A HIGH RISK COURSE - The course includes the following topics: - Target analysis (in urban and maritime environments); - Breacher mission planning; - Breaching safety; - Explosives safety: - Net Explosive Weight (NEW) Calculations; - Minimum Safe Distance (MSD) Calculations; - Misfire/Failed Breach Procedures; - Employment of breacher gear and equipment; - Construction of explosive charges used for precision entry; - Methods of Entry tactics, techniques, and follow-on procedures for: --Manual Tools, --Ballistic Tools, -- Exothermic Cutting Systems, -- Mechanical Tools, -- Explosive Breaching Charges, -- Breaching Specialty Charges. SEE PREREQUISITE TEXT for gear list for this course.

**PRE-REQUISITE:** Must have completed at least one NSW TRADET block of CQC training. Member must be medically fit for full duty to participate in this High Risk Training. Member must also have a recent Preventative Health Assessment (PHA) or valid Jump/Dive Physical that is current through the end of the course. PAYGRADES: E4-O3. RATE: SO. Applicants must meet the physical standards for U. S. Navy Jump/Dive physical. Application to be submitted in the format prescribed by MILPERSMAN art. 1410380. This course is HIGH-RISK (DOR). IMS must be SOF qualified. ITOs must be received no later than 30 days prior to IMS report date. Course Gear List: Students need the following items for this course, OR funding to purchase as many of theses items possible. 1. Ballistic Helmet and NVG mounts (w/ headlamp/Surefire or other helmet light source) 2. Full Body Armor w/ Plates and Kevlar Wrap Around (Wrap Around for plate carriers and placing (2) Quiver pouoches on the back for charges) 3. Personal CQC/VBSS Kit to include all 1st and 2nd line equipment. 4. (1) pair of NVGs 5. Eye Protection (Ballistic) - Team Issue (Shaded and Clear Lenses) 6. Ear Pro 7. Balaclava Nomex (Fire Retardant) 8. (3) or more sets of Field/Op Cammies (CAMMIES WILL GET BURNED, CUT and RUINED from broaken glass, torching and Quickie Straws) 9. (3) or more sets of brown, cotton t-shirts (NO Under Armour-type shirst - THEY WILL MELT AND BURN THE WEARER from torching and Quickie Straws) 10. (2) pairs of boots ( (1) heavy leather for torching and Quickie Straws - your best, favorite, cool-guy hiking boots will get ruined) 11. (1) pair of heavy leather gloves - full finger, fast rope-type for torching) 12. (2) or more pairs of Flight/CQC glvoes - full figner (GLOVES WILL GET BUT/BURNED and RUINED from broken glass and torching) 13. (1) Weapons belt 14. (2) Weapons catches (1 for each M4 and shotgun) 15. (20 or more M60 pouches (for shotgun rounds/extra gear, tape, tacks, back-up initiators, etc.) 16. 92) Surfire lights w/ batteries and rail attachments (1 for each M4 and shotgun) 17. (2) Carabineers (locking ir non-locking) 18. CamelBack 19. Med kidt or Blow-out kit 20. Spyderco or equivalent 21. Knee pads 22. Head lamp or flaishlight for night clean up 23. 3-Day backpack 24. Rain gear 25. PT gear 26. Shower shoes and towel 27. Shave/shower kit 28. Civies/personal gear for (4) weeks at Ft. AP Hill (Camp Connors), Bowling Green, VA 29. 3-volt batteries 30. AA batteries Extra baggage charges may apply for brining gear to/from course. NSW will assist students in procuring any missing or unavailable gear before the course starts.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122029** | A-041-0040 | U | AMMUNITION SUPPLY ADMIN | 2 | PTCL | Virginia Beach, VA 23461 |

**ECL:** 70 **EIMET:** No

To provide training for E-5 and above personnel assigned to ammunition duties ashore and afloat, the skill and abilities to generate and maintain ammunition records, and other technical information required to managed ordnance assets. Also provide instruction to key ordnance logistics personnel in the performance of advanced information mangement duties and techniques utilizing the automated computer based procedures. Graduates will perform at the journeyman level with little or no supervision under all conditions of readiness. SCOPE: The Ammunition Supply Administration (ASA) course is designed to provide the students with the knowledge, skills and proper procedures necessary to record and manage ammunition assets. Training includes the generation and management of records relating to requisitions, receipts, issues, expenditures, inventory management and control. Also consist of Notice of Ammunition Reclassification (NARS) training, ammunition reporting and other pertinent technical and safety information. Topics: Data Base Management, Asset Management, Ammunition Issue Policy and Procedures, Inventory Management, Transaction Reports and Retrievals and Data Base Administration.

**PRE-REQUISITE:** E-4 Waivers will be accepted if Commanding Officer endorses waiver stating the prospective student will be fulfilling the duties of an Data Base Administrator (DBA) at the command. Minimum six month experience of Ordnance Accountability and Admin. Ordnance/Supply Experience minimum six months PAYGRADES E5-E9

**COURSE NOTES:**

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| **P122038** | A-113-1118 | U | MK45 MOD 1 & 2 5"54 CAL | 14 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide selected Naval Gunner s Mate (GM) Personnel, Civilian Technical Support Personnel, Naval Shipyard Personnel and Allied Naval Personnel assigned under the Department of Defense Mutual Assistance Program, the skills and technical knowledge required to operate, maintain, and repair the 5" 54-caliber MK 45 Mod 1&2 Gun Mount, at the organizational level. Scope: The course will provide knowledge and skills needed to perform documented preventive and corrective maintenance on the 5" 54-caliber MK 45 Mod 1&2 Gun Mount.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122061** | A-121-0522 | U | VLS MK41 O/M BASELIII | 15 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Provides personnel in the gunner s mate missile rating with the technical knowledge and requisite skills necessary to operate and maintain the System under limited supervision at the organizational level of maintenance.Training includes the theory and operation, troubleshooting procedures, PMS requirements and applicable safety precautions for the following components: 1. VLS MK-41 GMLS 2. Status Panel 3. AN/UYK-20(V) Computer 4. AN/UYK-44(V) Computer 5. AN/USH-26(V) Cartridge Magnetic Tape Unit 6. OL-267(V)1/UYK Data Terminal Group 7. AN/USQ-69(V) Data Terminal Set 8. RO-530/UYK Line Data Printer 9. Sprinkler System 10. Ventilation System 11. Deluge System 12. Strikedown Elevator/Crane Assembly 13. Package, Handling, Storage and Transportation Equipment (PHST) 14. strikedown Replenishment Equipment 15. Magazine Support Equipment. TRAINING DELIVERY METHOD: AUTOMATED ELECTRONIC CLASSROOM (AEC) - TRAINING IN A TECHNOLOGY ENHANCED FACE-TO-FACE CLASSROOM SETTING THAT MAY INVOLVE USE OF ELECTRONIC EQUIPMENT.

**PRE-REQUISITE:** Basic Electricity and Electronics(BE&E) background required. BE&E training can be obtained using own country assets or by attending U. S. training course, Advanced Electronics Technical Core, A-100-0139.

**COURSE NOTES:**

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| **P122079** | SPECIAL | U | NITC EOD PREP | 0 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

**This course is mandatory for all students prior to being considered for training at CENEODDIVE.** Provides instruction in Explosive Ordnance Disposal (EOD) concepts, math, science, study, learning, and vocabulary skills. Additionally, the program offers international students the opportunity to participate in physical conditioning that is also necessary for EOD School. The physical training is designed to build the students' overall body strength in order to meet the physical demands found in this field.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122092** | F-000-0080 | U | SUBMARINE ESCAPE | 0.2 | PSUB | Groton, CT 06349-5700 |

**ECL:** 80 **EIMET:** No

The overall goal is to instruct an individual on submarine escape using the Submarine Escape and Immersion Equipment (SEIE) , conduct the ripped hood exhalation drill and demonstrate surface survival techniques. SCOPE: Provides information and instruction on: - Pre-escape readiness - Hazards of pressurized ascent - Use of the MK-10 SEIE - Individual and team responsibilities - Surface survival techniques - Use of survival equipment. Target Audience: This course is open to all rates. PREREQUISITES OTHER Must be medically qualified for Submarine Duty and pass an in house medical screening. Medical records must be received by the Submarine Escape Trainer medical staff no less than one business day prior to class convening. These personnel are those that do not pass the medical screening for the F063-0005 Pressurized Submarine Escape Training.

**PRE-REQUISITE:** Must be medically qualified for Submarine Duty and pass an in house medical screening. Medical records must be received by the Submarine Escape Trainer medical staff no less than one business day prior to class convening.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122093** | F-063-0005 | U | PRESSURIZED SUBMARINE ESCAPE TRAINING | 0.4 | PSUB | Groton, CT 06349-5700 |

**ECL:** 80 **EIMET:** No

This course will provide Officer and Enlisted submariners with the knowledge and skills they need to successfully escape from a disabled submarine. The overall goal is to accomplish an individual escape using the Submarine Escape and Immersion Equipment (SEIE) within the environment of the Submarine Escape Trainer. SCOPE: Demonstrate the knowledge and comprehension on: - Pre-escape readiness - Hazards of pressurized ascent - Use of the MK-10 SEIE - Individual and team responsibilities - Surface survival techniques - Use of survival equipment.

**PRE-REQUISITE:** Must be medically qualified for Submarine Duty and pass an in house medical screening and Hyperbaric Chamber test. Medical records must be received by the Submarine Escape Trainer medical staff no less than one business day prior to class convening. Personnel that do not pass the medical screening will continue instruction under the F-000-0080 Unpressurized Submarine Escape Training. (P122092)

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122104** | N/A | U | ALE-47 MISSION DATA FILE GENERATOR (MDFG) TRAINING | 1 | PCCC | Jacksonville, FL 32221-8112 |

**ECL:** **EIMET:** No

Course Syllabus Outline: " ALE-47 OFP Review " Dispenser Countermeasures Review " ALE-47 Intro " ALE-47 OFP Updates " ALE-47 Mission Data File Generator (MDG) - MDG Overview & SSDS Interface Functions - Edit MDF: Aircraft Baseline & CMDS Configuration - Edit MDF: Expendables & Magazines - Edit MDF: Manual Dispensing - Generating an MDF & MDF Reports - Lab: STE MDF Test - Man Disp - Edit MDF: Fixed Programs - Lab: STE MDF Test - JMR - Edit MDF: CRO Classes, Strategies & Responses - Edit MDF: CRO Fixed Programs (MAN/JMR) - Lab: STE MDF Test - CRO MAN/JMR - Edit MDF: Source & Bus Data, Threat Tables - Edit MDF: CRO Threat Class Definitions - Lab: STE MDF Test - CRO/RWR Threat Response - Edit MDF: System Checkout - HTML Help: Edit & Rebuild o MLVS Utility - Build RRT MLVS Flashcard - Load PGMR with Test MDF

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122109** | PGAT | U | FUNDAMENTALS OF RADAR SIGNAL PROCESSING DEF 3505P | 1 | VAR | |

**ECL:** 70 **EIMET:** No

This course introduces the student to the foundational signal processing methods at the core of most modern radar systems and provides a solid base for exploring advanced techniques such as radar imaging and adaptive processing. Review basic signal analysis concepts, focusing on Fourier transform relations and sampling. Explore common models of amplitude, Doppler, and statistical characteristics of targets and interference. Master methods for improving signal-to-interference ratio, including waveform modulation and pulse compression, Doppler processing, and adaptive interference rejection methods. Form output products of the signal processor with discussions of threshold detection, single- and multi-target tracking, and radar imaging.

**PRE-REQUISITE:** Prior exposure to basic radar signal processing: The following courses are recommended: " Signal Processing Refresher or equivalent experience " Principles of Modern Radar or equivalent experience

**COURSE NOTES:** Who should attend: Engineers/Scientists new to, or seeking a refresher course in radar signal processing, or needing a firm foundation for advanced radar processing studies.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122110** | PGAT | U | TARGET TRACKING CONCEPTS DEF 3519P OR 3520 | 0.6 | VAR | |

**ECL:** 70 **EIMET:** No

Explore the concepts associated with target tracking, including equations to assist with the explanations and the tools needed to conduct basic analysis associated with target tracking.

**PRE-REQUISITE:** A familiarity with linear algebra and probability is recommended.

**COURSE NOTES:** GA Tech Cost is $1595 per student (Group of 3+, rate decreases) Who should attend: Engineers who are currently engaged or expect to be engaged in the specification, procurement, design and development, testing, and operation of target tracking systems. Scientists

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| **P122111** | PGAT | U | SIGNAL PROCESSING REFRESHER DEF 3521P | 0.6 | VAR | |

**ECL:** 70 **EIMET:** No

Review basic techniques for representing and processing signals, emphasizing methods commonly used in sensor processing systems such as communications, radar, infrared systems, and electronic warfare. Understand continuous and discrete signals, Fourier transforms, and the representation and properties of noise. Explore the important matched filter concept from multiple view points. Understand the basics of sampling, digital filtering, and spectrum analysis. Apply these techniques in detection, data compression, and image processing. Each student conducts simple computer simulations and exercises to illustrate and reinforce key concepts.

**PRE-REQUISITE:** Participants should be familiar with basic calculus, linear algebra, and complex numbers and arithmetic. Prior experience in MATLAB is not required.

**COURSE NOTES:** GA Tech Cost is $1795 per student (Group of 3+, rate decreases) Who should attend: Engineers, scientists, analysts, and technicians; Technical personnel new to the field of signal processing and analysis; and, Technical personnel seeking to refresh or strengthen previous signal processing skills.

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| **P122112** | PGAT | U | BASIC ANTENNA CONCEPTS DEF 1501P | 0.6 | VAR | |

**ECL:** 70 **EIMET:** No

Understand the fundamental properties, operations, utilizations, and applications of antennas. Focus on intuitive physical explanations and laboratory demonstrations. When equations are used, they are not derived. Instead, the significance of each will be explained; all terms will be clearly defined; and examples will be given to illustrate how they are used.

**PRE-REQUISITE:**

**COURSE NOTES:** GA Tech Cost is $1450 per student (Group of 3+, rate decreases) Nonantenna specialists; Anyone needing the necessary background to complete the Antenna Engineering Certificate

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| **P122113** | PGAT | U | PRINCIPLES OF CONTINUOUS WAVE RADAR DEF 3508P | 0.8 | VAR | |

**ECL:** 70 **EIMET:** No

Compare the frequency modulated continuous wave waveform to other wideband waveforms. Consider low probability of intercept issues. Focus on linear frequency modulated continuous wave waveform with homodyne receiver processing. Explore waveform design, target, clutter, and noise performance. Examine frequency modulated continuous waveform radar applications, including seekers, surveillance, low-cost commercial sensors, and remote sensing.

**PRE-REQUISITE:** None, however Principles of Modern Radar or other introductory courses may be helpful for participants with limited radar experience.

**COURSE NOTES:** GA Tech Cost is $1795 per student (Group of 3+, rate decreases) WHO SHOULD ATTEND: Engineers, Scientists, Managers

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| **P122114** | PGAT | U | BASIC AIRBORNE FIRE CONTROL SYSTEMS DEF 1001P | 0.6 | VAR | |

**ECL:** 70 **EIMET:** No

Understand the principles of aircraft fire control systems through interactive computer simulations and laboratory demonstrations. Explore air-to-air and air-to-ground fire control processes. Focus on intuitive physical explanations and PC-based software demonstrations. Build a working knowledge of aircraft fire control system components, including sensors, weapons, MIL-SPEC issues, and the man-machine interface.

**PRE-REQUISITE:**

**COURSE NOTES:** GA Tech Cost is $1795 per student (Group of 3+, rate decreases) Who should attend; Engineers and scientists who need a basic understanding of the overall airborne fire control system

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122115** | A-493-1900 | U | SAFETY MANAGER COURSE | 1 | PSFN | Norfolk, VA 23511-4399 |

**ECL:** 70 **EIMET:** No

The Safety Manager course provides safety professionals with executive level training necessary to excel as a safety manager in the areas of communication, finance, program management and resource and personnel management. Scope: The course consists of one week of senior management training for civilian safety professionals. Training is instructor-led and includes lecture, demonstrations, hands-on exercises and role play. The following topics are covered: 1. Communicating across the enterprise, from email to formal briefs, to selling programs and objectives. 2. Developing, managing, and executing a budget. 3. Managing personnel resources. 4. Designing and implementing a professional development strategy. 5. Managing people, programs and mission performance. 6. Business Case Analysis. 7. Command and Control. 8. Assessments and Oversight.

**PRE-REQUISITE:** Echelon II Safety Manager approval

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122127** | N/A | U | VLS OPERATION AND MAINTENANCE/MAGAZINE SPRINKLER | 5 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide the technical knowledge and requisite skills necessary to operate and maintain the MK41 VLS under limited supervision at the organizational level of maintenance. The equipment will be operated and maintained wherever installed and under all conditions of readiness. Course Scope: The course provides trainees with the technical knowledge and requisite skills necessary to operate and maintain the Mk 41 VLS under limited supervision at the organizational level of maintenance. The equipment will be operated and maintained wherever installed and under all conditions of readiness

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P122130** | N/A | U | IMPROVISED WEAPONS OF MASS DESTRUCTION CRS (IWMDC) | 3 | PJES | Baton Rouge, LA |

**ECL:** 70 **EIMET:** No

To provide Partner Nation (PN) civilian Explosive Ordinance Disposal (EOD) technicians the necessary skill sets to locate, identify, quantify, protect, and respond to an IWMD device while working in a CBRN/Hazardous Material (HAZMAT) environment, as per the request of the PNs to DTRA's Cooperative Threat Reduction (CTR) program. PN civilian EOD technicians will be better able to conduct EOD operations in CBRN/HAZMAT environments, and will have increased capacity, capability and interoperability with U.S. Government agencies. PN EOD technicians will have been trained to identify IWMD characteristics and mitigate associated hazards through the appropriate utilization of personnel protective, detection, containment, and decontamination equipment. Additionally, PN EOD technicians will have received training in CBRN environment sensitive site exploitation, crime scene forensics, and proper chain-of-custody evidence collection. Three (3) week/120 hour IWMD course of instruction goes beyond standard use of explosives and IED. The technical training will familiarize the student with; chemical, radiological and Toxic Industrial Material (TIM) threats, clandestine labs, mitigation techniques, leak, seal and packaging, team/emergency decontamination, contamination control, and dispersal devices. Strategies to prevent/respond /defeat the use of WMD/TIM IEDs; Response considerations and techniques, X-Ray, render safe considerations/energetic tool disruption, CBRN Sensitive Site Exploitation (SSE), sampling/sample preservation techniques/ forensics in a CBRN environment, chain-of-custody and scene documentation.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122131** | N/A | U | RANGE OPERATIONS SAFETY (ROS) | 1 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course provides international Special Operations Forces, select conventional forces or police personnel the training necessary to effectively manage, train, and employ various types of small arms and ammunition. The course also teaches students necessary skills in the areas of surface danger zone designation, general range safety, operations risk management, range operations and management, weapons and ammunition safety, malfunctions, weapons sight-in, crew served weapon fundamentals, crew served weapon employment, maritime range fundamentals, and tactical employment of crew served weapons.

**PRE-REQUISITE:** Students attending the ROS course must have basic computer skills with specific knowledge in Microsoft Office, be able to calculate basic mathematic equations, have 20/20 vision correctable, be physically fit, and be able to lift a minimum of 40lbs overhead.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122134** | K-431-0100 | U | NSW RANGE OPERATIONS SAFETY (ROS-CA) | 1 | PWFE | Imperial Beach, CA 92132 |

**ECL:** 80 **EIMET:** No

NSW RANGE OPERATIONS SAFETY (Coronado, San Diego, CA) Course Description: 1. To train SOF and SOF support personnel in tactical applications for various range operations (e.g., small arms, demolition, laser standoff weapons, dynamic) unique to Naval Special Warfare to prepare them to qualify as ROIC/RSOs. 2. Topics include: ROIC/RSO duties and responsibilities, administrative duties and mishap reporting, NSW range operations risk assessment and management, static range operations for rifle/pistol, demolition (land and water) and standoff weapons, and range operations for laser, dynamic, at sea, and on foreign soil.

**PRE-REQUISITE:** Paygrade: SOF or SOF Support Personnel. Paygrade: E5-O3 Other personnel will be considered on a case-by-case basis.

**COURSE NOTES:**

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| **P122135** | K-431-0100 | U | NSW RANGE OPERATIONS SAFETY (ROS-VA) | 1 | PSWG | Fort Story, VA 23459 |

**ECL:** 80 **EIMET:** No

1. To train SOF and SOF support personnel in tactical applications for various range operations (e.g., small arms, demolition, laser standoff weapons, dynamic) unique to Naval Special Warfare to prepare them to qualify as ROIC/RSOs. 2. Topics include: ROIC/RSO duties and responsibilities, administrative duties and mishap reporting, NSW range operations risk assessment and management, static range operations for rifle/pistol, demolition (land and water) and standoff weapons, and range operations for laser, dynamic, at sea, and on foreign soil.

**PRE-REQUISITE:** SOF or SOF Support Personnel. Paygrade: E5-O3 Other personnel will be considered on a case-by-case basis.

**COURSE NOTES:**

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| **P122144** | N/A | U | JTS ISR INTRO | 3 | PLAN | Langley AFB, VA |

**ECL:** 70 **EIMET:** No

This is the Intel, Surveillance & Recon Intro portion of Joint Targeting School's Joint Targeting Staff Course (P122025), created in order for ITO's to show the training line location authroization required for base access to Langley AFB. ***THIS IS NOT A STAND ALONE COURSE*** and must be programmed ICW P122025.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P122149** | K-431-0300 | U | NSW INSTRUCTOR QUALIFICATION COURSE (IQC) | 3 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

To provide future Naval Special Warfare (NSW) instructors the necessary knowledge and skills to successfully teach students, with a focus on issues surrounding the NSW-unique learning environment. Course intent is to meet NETC requirements for the 9502 Instructor NEC high-risk training indoctrination and NSW requirements to effectively develop students who meet the challenging performance standards of Special Operations in the maritime environment. Scope: The NSW INSTRUCTOR QUALIFICATION COURSE (IQC) is comprehensive in nature, designed to provide students with the knowledge and skills necessary to execute the community's mission. Overall, the course will address: Learning Theory, Training Administration, Communication, Instructional Methods, and Practical Exercises. Instructional modalities will include classroom presentations, experientially-based activities, demonstrations, and mentoring interaction with experienced subject matter experts. Course content and instructional modalities are designed to impact the cognitive, affective, and psychomotor learning domains.

**PRE-REQUISITE:** SUCCESSFUL COMPLETION OF INSTRUCTOR AND HIGH-RISK TRAINING SCREENING BY DETACHING COMMAND PER OPNAVINST 1500.75 (SERIES) AND MILPERSMAN 1301-226, 1306-900.

**COURSE NOTES:** Target Audience: Seal Operators & Spec Warfare Boat Operators, E-5 to O-4

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122165** | N/A | U | JAMOD TAC OP ENV (TACTOE) COURSE (CSEDS) | 3.8 | PCSE | Moorestown, NJ 08057-0927 |

**ECL:** 70 **EIMET:** No

The TACTOE module consists of Networking, UNIX, and CISCO topics that are the foundation of the AWS. The TACTOE module will enable the student to become familiar with the major operating systems and networking concepts that will be taught throughout the J6 training pipelines. TACTOE is designed to provide the trainee with a basic understanding of networking fundamentals along with command line experience with the CISCO IOS and Linux based operating systems. TACTOE is designed to be one course with applicability to multiple J6 training pipelines. TACTOE is a prerequisite for the following courses: --Aegis Computer Network Technician (ACNT) --SPY --SPY Differences --AWS The J6 ACNT COI will build upon the fundamentals of TACTOE in all blocks of instruction excluding JAMOD Introduction. The J6 ACNT will provide system/equipment level application to the skill sets developed during TACTOE. The J6 SPY COI will build upon the fundamentals of TACTOE in the Multi-Mission Signal Processor (MMSP) block of instruction. The J6 MMSP block of instruction will require the trainee to perform preventive/corrective maintenance and configuration procedures that provide MMSP specific utilization of CISCO IOS and LINUX command line experience. The MMSP block of instruction will be taught in both the J6 SPY and SPY differences courses. The J6 AWS COI will build upon the fundamentals of TACTOE in the following blocks of instruction: System Management, Computational Systems and AWS Operations and Troubleshooting. The AWS COI focuses on system management level instruction which requires the use of both command line operations along with an understanding of networked equipment.

**PRE-REQUISITE:** Security Clearance of SECRET Color Perception II Invitational Travel Orders requiredN/A

**COURSE NOTES:** Targeted Audience: Enlisted and ITT personnel

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| **P122168** | N/A | U | SUBMARINE SAFETY TRAINING | 2 | PSUB | Groton, CT 06349-5700 |

**ECL:** 80 **EIMET:** No

Course combines three modules of safety related submarine training under one MASL. Primary modules include Submarine Fire Fighting, Damage Control and Submarine Escape training.

**PRE-REQUISITE:** Must be medically qualified for Submarine Duty and pass an in house medical screening and Hyperbaric Chamber test. Medical records must be received by the Submarine Escape Trainer medical staff no less than one business day prior to class convening. Personnel that do not pass the medical screening will continue instruction under the F-000-0080 Unpressurized Submarine Escape Training. (P122092)

**COURSE NOTES:** Combines Basic Submarine Fire Fighting- 2 days (CDP-11Y2 or 11Y6), Submarine Damage Control wet trainer 2 days and Pressurized Submarine Escape Training (PSET) - 2 days (P122093) under one MASL. First day of Fire Fighting and Damage Control will be mostly classroom based. Second day events for Fire Fighting and Damage Control will be based on class performance on the first day. If students are unable to participate in the PSET, they will participate in a 1 day unpressurized course.

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| **P122169** | CIVCONTR PSE | U | M72 LIGHT ASSAULT WEAPONS A9 OPERATOR TRAINING | 0.6 | PCAZ | Florence, AZ |

**ECL:** 70 **EIMET:** No

This corse teaches operations of the M72 system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P122171** | N/A | U | MK 46 MOD 5A (SW) TECHNICAL/EMPLOYMENT TRAINING | 1 | PUSC | Newport, RI 02841-1708 |

**ECL:** 80 **EIMET:** No

Provides users with basic torpedo technical and employment training for both the Mk 46 Mod 5A (S) and Mod 5A (SW) torpedoes. Training classification level is secret. Provides a general description of weapon physical requirements, presets, and historical performance, as well as search, attack, and re-attack logic, with a focus on air/surface ship torpedo operational employment guidance/issues. Training is tailored to the torpedo model, launch platforms, and fire control systems specific to the FMS case requesting the class. The request is required 3 months in advance of the desired scheduled training dates. Training is provided in English and all attendees should meet the ECL requirement.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P122525** | A-113-2101 | U | MK45 MOD 4 O&M DIFF | 4 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

This course is designed to provide selected U.S. Naval Gunner s Mates (E1-E9), with the technical knowledge and skills necessary to operate, maintain, fault isolate, and repair (under limited supervision) the MK 45 Mod 4 Gun Mount. Scope: The course content will include the following, in accordance with approved MK 45 Mod 4 Electronics Tech manuals: a. Differences in the Train and Elevation power drives b. Difference in system sequence of operation c. Differences in EP2 operation d. Differences in system fault isolation e. Electronic Tech Manual capabilities and usage

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P122571** | K- 2G-3120 | U | INTL JT MARITIME TACT DEV | 8 | PSWS | Newport, RI 02841 |

**ECL:** 80 **EIMET:** No

Provide Mid-grade warfare specialty International Officers (O-3 to O-4) with the tactical development skills required to support a Joint Force Commander or Naval Component Commander in a multi-threat environment. The course stresses joint maritime planning, and war gaming. In addition, weapon systems information will be taught in order to integrate air, surface, and submarine platforms into an effective fighting force.

**PRE-REQUISITE:**

**COURSE NOTES:** Family Members are STRONGLY DISCOURAGED to accompany the Students due to the high cost of living in Newport RI. The servicing airport is TF Green in Providence RI. Please have the students arrive before 1700. AFTER HOURS IMSO CONTACT: 817-874-0011

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| **P122801** | N/A | U | MARITIME (GCCS-M) OPERATOR & SYSTEM ADMIN COURSE | 2 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

Provide Battle Group staff officers and senior enlisted personnel with the skills to effectively manage GCCS-M in a force level environment. The course will present lectures, discussions, and hands-on opportunities for Battle Group personnel to skillfully manage GCCS-M in a force level environment. This includes training on the system architecture, interfaces and communications, and operations of the applications as well as basic system administrator maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P124002** | K-431-0132 | U | NSW HEL ROPE SUSP TECH/CAST (HRST/C) MSTR CRS | 2 | PWFE | Imperial Beach, CA 92132 |

**ECL:** 80 **EIMET:** No

NSW HELICOPTER ROPE SUSPENSION TRAINING LONG TITLE: NAVAL SPECIAL WARFARE (NSW) HELICOPTER ROPE SUSPENSION TECHNIQUES/CAST THIS IS A HIGH RISK COURSE DESCRIPTION: PURPOSE: This course will provide techniques and procedures for conducting basic Helicopter Rope Suspension Technique (HRST) and Cast recovery operations as the HRST/Cast Master. SCOPE: Course topics consist of the following: - administrative requirements - personnel and support - pre-operational requirements - equipment - insertion/extraction site requirements - briefs - rigging and inspection procedures - day and night aircraft operations - tower training

**PRE-REQUISITE:** ~~~ THIS IS A HIGH RISK COURSE ~~~ Applicants must meet the physical standards for U. S. Navy Jump/Dive physical. Application to be submitted in the format prescribed by MILPERSMAN art. 1410380. This course is HIGH-RISK (DOR). IMS must be SOF qualified.

**COURSE NOTES:**

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| **P124012** | A-557-0082 | U | SUB FORCE QUAL ASSUR INSP | 1.4 | PSTP | Pearl Harbor, HI 96860 |

**ECL:** 70 **EIMET:** No

To provide training for perspective Quality Assurance Inspectors to ensure they have a thorough understanding of the requirements and procedures necessary to implement the submarine type commander policies as they relate to the Quality Assurance Program. SCOPE: This course provides training for Submarine Force personnel to support coordinating and administering the Submarine Force Quality Assurance Program within their respective work centers. This course fulfills the type commander requirements for formal controlled material petty officer training.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P124028** | N/A | U | CADRT OPERATOR TRNG | 2 | PDAH | Dahlgren, VA 22448-5131 |

**ECL:** 70 **EIMET:** No

The Computer Aided Dead Reckoning Tracer (CADRT) Operator course is designed to provide OS and Officer personnel with the skills and knowledge necessary to operate CADRT in support of routine CIC operations. Course Description: The training includes routine CIC operations previously conducted on the DRT/DDRT/INTPS units in support of ASW, SUW, MIW and NSFS warfare. Additionally, the curriculum includes operations of CADRT Training mode, and utilization of CADRT in support of Amphibious operations and SAR. Method of teaching: Classroom lessons and hands-on training for applicable equipment to the DDS. Simulations used as appropriate, with differences explained. Prerequisites: Officer or Enlisted CIC personnel watch stander Invitational Travel Orders required Normal color vision Minimum ECL Score of 70%

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P124036** | J-221-0043 | U | AMPHIB CIC BOAT CONTROL TEAM TRAINING | 1 | PEW4 | Norfolk, VA 23521-2740 |

**ECL:** 70 **EIMET:** No

To provide amphibious ship CIC team training in control of b oat groups during amphibious operations. Scope: This course is offered to CIC teams for amphibious warfare ships having required operational capability for Primary Control Ship (PCS), (LPD, LSD, LHA, and LHD)(Army, LCU and LSV's). Team members may be E-1 through O-5 and need not be of the OS rating. Each team must have a minimum of nine (9) members who are familiar with CIC facilities and functions, one of which is an E-7 or above designated as evaluator by parent command. This course provides classroom instruction and practical work for Amphibious CIC Team Training in the basic methods and procedures used in controlling boat groups during amphibious operations. Exercises are conducted by the team in a CIC mock-up under supervision of instructors. The course emphasizes development of team proficiency through the conduct of simulated problems.

**PRE-REQUISITE:** E1-O5 -RATE CTT/OS/QM -Course is offered to all amphibious warfare ships which have a required operational capability as Primary Control Ship (PCS). Ship teams must have at least nine personnel, including one E-7 or above to act as Evaluator. All personnel are expected to have basic CIC PQS qualifications for SPA-25 Operator, R/T Talker, and S/P Phone Talker. Other ships may attend, limited only by availability.

**COURSE NOTES:**

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| **P124052** | N/A | U | JGSDF EXERCISE PREP | 1.8 | PEWM | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

JGSDF EXERCISE PREP

**PRE-REQUISITE:**

**COURSE NOTES:** INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork.

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| **P124054** | J- 2G-0044 | U | AMPHIB AIR OPS COORD | 0.6 | PEWL | Virginia Beach, VA 23459-2740 |

**ECL:** 70 **EIMET:** No

Provides officers and staff noncommissioned officers/senior petty officers (E-5 to 0-5) training in the organization employment considerations and functioning of airspace control systems used in expeditionary/amphibious operations. Emphasis is placed on the systems established to support the Expeditionary Strike Group (ESG) and Marine Air Ground Task Forces (MAGTFs). This course provides instruction in the concepts for joint force use of airspace, organization of airspace control agencies of the separate DOD services, command and control responsibilities of JFACC/ACA/AADC, typical procedural control measures used during amphibious operations and an introduction to amphibious airspace planning. Prerequisite: The primary student population are personnel assigned to billets in the Navy Tactical Air Control System (NTACS-TACC, HDC) and Marine Air Command and Control System (MACCS) organizations and personnel who conduct fire support coordination or airspace management functions within expeditionary/amphibious forces.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P124082** | N/A | U | TACTICAL PATROL LEADER (TPL) | 5 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course is designed for Company level junior officers or senior enlisted personnel. SOFTPL provides International Special Operations (SOF), selected conventional forces, or law enforcement agency students with tailored training in the tactical employment of platoon sized units in various environments and operational scenarios. Instruction consists of advanced land navigation, SOF patrolling, physical training, route planning, combat reaction drills, mission planning, ambush, raid, and special reconnaissance tactics. The course culminates with a Final Training Exercise encompassing all material covered to ensure students have attained tactical proficiency in Platoon sized elements.

**PRE-REQUISITE:** Students attending the SOFTPL course must have basic computer skills with specific knowledge in Microsoft Office, be able to calculate basic mathematic equations, have 20/20 vision correctable, be physically fit, and be able to lift a minimum of 40lbs overhead. Students will be required to successfully perform the following tests during the first week. Physical Standards Test: Perform a minimum of 42 push-ups in 2 minutes, 2 minute rest, Perform a minimum of 50 sit-ups in 2 minutes, 2 minute rest, Perform a minimum of 6 pull-ups (no time limit), 10 minute rest, and Run 1 1/2 miles wearing running shoes in under 13 minutes. In addition to the fitness test, there is a written and practical land navigation test to verify student's proficiency to operate in woodland environments. Failure of either of these tests will result in the student's removal from this course and return to parent country. The Chief Security Cooperation Officer must provide written certification that each student selected was screened to attend the SOF Tactical Patrol Leader Course. It is highly recommended, but not required, that students attend JO/NCO Leadership and Planning (JNPL) prior to attending SOFTPL.

**COURSE NOTES:**

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| **P124084** | N/A | U | NITC BUD/S PREP AND SCREENING | 8.6 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

This course is mandatory for all students prior to being considered for training at SPECWARCEN. PURPOSE: Prepares International SOF candidates to perform demanding physical training and aquatic skills that will minimize failure within the SEAL accession pipeline. SCOPE: The training includes the following: Entry level NSW Physical Screen Test, NSW PC Exit Standards Test; Physical training to include: free weights and calisthenics strength training, conditioning and timed runs, stretching, flexibility, and agility exercises, conditioning and timed swims, combat swimmer skills such as drown proofing, lifesaving, and underwater knot tying.

**PRE-REQUISITE:** This course is mandatory for all international military students attending follow-on training at the Basic Underwater Demo/Seal (BUD/S) School in San Diego, CA. Enrollment in NITC BUD/s Prep does not guarantee placement in the BUD/S program in San Diego. NITC BUD/S PREP students are screened and will be withdrawn from training if they do not meet the physical entrance requirements for BUD/s. Gender: M Paygrades: E1-E5 ASVAB: AR + WK=104; MC=50

**COURSE NOTES:** Students are required to supply their own physical training gear (running shoes, shorts, socks, and t-shirts). Sweatshirts and sweatpants, stocking hats, and gloves may be required, depending on the outside temperature. Students should verify the temperature at the training location and dress accordingly. Temperatures in the Pensacola Area can be below freezing in December and January.

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| **P124085** | N/A | U | SWIMMING PREP (NMOTC) | 2 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Swim Prep training will teach the students the four basic swim strokes and the techniques to master the Tread Water and Drown-Proofing required to pass the mandatory NASTP Second Class Test. This course should be taken prior to being enrolled in the Initial Naval Aviation Survival Training Program. The student will develop self-confidence and the skills required to pass the swim test.

**PRE-REQUISITE:** This course requires a current Aero-Medical Clearance Notice ( Flight Physical) Prior to any participation in the course. The Aero-Medical Clearance Notice must be signed by a Navy Flight Surgeon ( FS), Navy Aviation Medical Officer ( AMO) or Aviation Medical Examiner ( AME).

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P124112** | N30L8Q1 | U | MARITIME PREPOSITIONING FORCE STAFF PLANNING | 1 | PEWM | San Diego, CA 92155 |

**ECL:** 80 **EIMET:** No

The purpose of this course is to train students in the doctrinal knowledge and skills required in the operational planning, deployment and employment of Marine Air Ground Task Forces (MAGTFs) as part of the Maritime Prepositional Force (MPF). This training focuses on the composition of and planning tasks performed by command and staff personnel of joint staffs, service component, MAGTFs, Navy forces and Coast Guard forces. Scope: This course is taught with emphasis on layered training to build the student s knowledge based on MPF operations. 1. On the first day, the focus of the course is an introduction to MPF operations, organizations involved, command relationships, and deployment concepts. 2. The second day, the focus shifts to the MPF planning process to include marshaling, movement and deployment plans. Deployment systems and movement groups are discussed. Arrival and assembly organizations/functions are introduced. 3. On the third day the arrival and assembly plan itself is discussed. Beach, port, and airfield operations are covered as well as transportation and throughput. Finally, security and regeneration are covered. When feasible during resident courses, a guest speaker from Naval Coastal Warfare is planned for Wednesday afternoon. When feasible during MTT s to Okinawa, an MPF ship s tour is planned for Wednesday afternoon. 4. The fourth day is devoted to class review and the MPF staff planning practical exercise. To conduct the practical exercise, the class members are assigned to command and staff positions representing the Navy and Marine Corps organizations involved in MPF operations. A mission statement, commander s intent scenario, intelligence, country information and maps are provided to the students to allow them to develop their plan in accordance with the specific guidance provided. 5. On the fifth final day each assigned group will brief their deliverables for the MPF operations that they have planned according to scernario and mission. The other groups as well as the instructors will ask questions and offer critiques to maximize the utility of the practical exercise

**PRE-REQUISITE:** Staff noncommissioned officers (E-6 and above) and officers assigned to staff planning positions. Must have completed the Logistics Officer Course P124355 for officers or the Basic Logistics/Embarkation Specialist P124354 course for enlisted.

**COURSE NOTES:** INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork.

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| **P124250** | K- 2G-0037 | U | AMPHIB WARFARE INDOC (CORONADO) | 1 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

To provide a comprehensive indoctrination in amphibious operations, techniques, planning, ship-to-shore movement, supporting arms, tactical air, and landing force organization and functions in order to prepare officers and selected U.S. and allied Armed Forces enlisted personnel E-5 through E-9 to carry out shipboard and staff assignments adequately and with comprehension of purpose.

**PRE-REQUISITE:**

**COURSE NOTES:** THIS COURSE IS A PREREQUISITE FOR P124265, "NAVAL GUNFIRE LIAISON OFF", K-2G-0040. Course Convenes on a Monday, please send student on the Wednesday or Thursday before in order to issue a Government ID card.

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| **P124251** | J- 2G-0048 | U | EXPED WARFARE STAFF PLNG | 1 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

To train Marine Corps and Navy officers/senior petty officers in the knowledge and skills required for the operational planning and employment of MAGTFs focusing on planning tasks.

**PRE-REQUISITE:** Amphibious Warfare Indoctrination (AWI) K- 2G-0037

**COURSE NOTES:** Course convenes on Monday, please send student on Wednesday or Thursday before course starts in order to issue Government ID card.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P124265** | K-2G-0040 | U | NAVAL GUNFIRE LIAISON OFF | 5 | PEWP | San Diego, CA 92155 |

**ECL:** 80 **EIMET:** No

To train U.S. and Allied officers and staff noncommissioned officers for duty as Naval Gunfire Liaison Personnel with units of Marine Corps Divisions, Air Naval Gunfire Liaison Companies, and other designated units. This course consists of lectures, demonstrations, practical application, field exercises, spotting either naval gunfire at San Clemente Island or field artillery at Camp Pendleton, CA, and naval gunfire planning for a landing force in an amphibious operation. Instructional methodology is based on individual training concepts. All trainees must demonstrate proficiency in physical fitness, map reading, land navigation, naval gunfire spotting, naval gunfire planning, and communications capabilities both in written and practical application. Completion of this course indicates that the trainee has met the minimum qualifications to perform as a Naval Gunfire Liaison Officer or Naval Gunfire Planner. AMPHIBIOUS WARFARE INDOCTRINATION IS CONDUCTED ONE WEEK PRIOR TO NAVAL GUNFIRE LIAISON OFFICER AND IS TAUGHT AT THE EXPEDITIONARY TRAINING WARFARE GROUP PACIFIC (EWTGPAC).

**PRE-REQUISITE:** AMPHIBIOUS WARFARE INDOCTRINATION COURSE (K-2G-0037/MASL P124250) IS MANDATORY PRIOR TO COMMENCING THIS COURSE UNLESS STUDENTS HAVE PREVIOUSLY ATTENDED THE COURSE OR EQUIVALENT TRAINING.

**COURSE NOTES:** STUDENTS MUST BE PHYSICALLY AND MEDICALLY PREPARED TO PARTICIPATE IN DAILY PHYSICAL FITNESS TRAINING. STUDENTS MUST BE MEDICALLY QUALIFIED FOR FIELD TRAINING. STUDENTS MUST HAVE THE FOLLOWING CLOTHING AND EQUIPMENT OR THEIR COUNTRIES EQUIVALENT TO PARTICIPATE IN THIS COURSE. BELOW LISTED ITEMS ARE AVAILABLE FOR PURCHASE LOCALLY AND CAN BE PROCURED THE FIRST WEEK OF THE COURSE. ITEM NUMBER REQUIRED CAMOUFLAGE UTILITIES (BLOUSE AND TROUSERS) 2 CAMOUFLAGE UTILITY CAP AND WEB BELT WITH BUCKLE 1 (EACH) COMBAT BOOTS AND RUNNING SHOES 1 (PAIR OF EACH) GREEN CUSHION SOLE SOCKS 4 BLOUSING STRAP 1 (SET) Course convenes on a Monday. Please ensure INTL student arrives Wednesday or Thursday before course begins in order to get ID card and complete necessary paperwork.

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| **P124295** | K-652-0237 | U | OUTBOARD MOTOR OVERHAUL | 2 | PEW1 | San Diego, CA 92155-5099 |

**ECL:** 70 **EIMET:** No

To train U.S. Military Personnel (officer and enlisted) currently filling billets as Outboard Motor Operators/Maintenance personnel. This course is designed to teach the individuals how to overhaul, tune-up, troubleshoot and perform PMS on outboard motors.

**PRE-REQUISITE:**

**COURSE NOTES:** Officers and enlisted currently filling billets as Outboard Motor Operators/Maintenance personnel. This course is open to all rates.

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| **P124301** | K-431-0024 | U | BASIC UNDERWATER DEMOLITION/SEAL (BUD/S) | 17 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

***THIS IS A HIGH RISK COURSE*** Physical and mental conditioning, including extensive physical training, distance running and swimming; basic qualification/techniques for weapons proficiency, beach reconnaissance; small unit tactics; military explosives; basic combat swimmer and open and closed circuit SCUBA diving.

**PRE-REQUISITE:** *** THIS IS A HIGH RISK TRAINING *** Successful completion of BUD/S Basic Orientation 1st Phase through H-Week Course (K-431-0037; P124302) and successfully pass BUD/S Physical Screening Test. GENDER: Male. MUST BE A VOLUNTEER. All prospective candidates must have been immunized with HAVRIX (Hepatitis A Vaccine) within 12 months prior to arrival. Officer or enlisted personnel, not over twenty-eight years of age. Applicants must meet the physical standards for U. S. Navy diving duty and must be in good physical condition in order to withstand the rigors of this training. Application to be submitted in the format prescribed by MILPERSMAN art. 1410380. This course is HIGH-RISK (DOR). IMS must be SOF qualified.

**COURSE NOTES:**

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| **P124302** | K-431-0037 | U | BASIC UNDERWATER DEMOLITION/SEAL ORIENTATION BUD/S | 7 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

***THIS IS A HIGH RISK COURSE*** A progressive approach to physical conditioning of running, swimming, calisthenics and obstacle course. Attention is given to sufficient recovery time between physical evolutions to eliminate injuries due to fatigue and poor conditions, with emphasis on achieving a passing score on the BUD/S physical screening test.

**PRE-REQUISITE:** ***MANDATORY P124084- NSW INTERNATIONAL SOF PHYS TRAINING PREP CRS.*** IMS must be SOF qualified and complete the NSW INTERNATIONAL SOF PHYS TRAINING PREP CRS, MASL P124084.

**COURSE NOTES:** BASIC UNDERWATER DEMOLITION/SEAL ORIENTATION BUD/S International Note(s): ***MANDATORY PREREQUISITE COURSE: P124084- NSW INTERNATIONAL SOF PHYS TRAINING PREP CRS.***

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P124305** | K-431-0048 | U | NSW DIVING SUPERVISOR | 2 | PWFE | Imperial Beach, CA 92132 |

**ECL:** 80 **EIMET:** No

The course includes operation admin, planning, and supervisor equipment checks and instruction in diving disease and injury management.

**PRE-REQUISITE:** NSW DIVING SUPERVISOR ~~~ THIS IS A HIGH RISK COURSE ~~~ Applicants must meet the physical standards for U. S. Navy Jump/Dive physical. Application to be submitted in the format prescribed by MILPERSMAN art. 1410380. This course is HIGH-RISK (DOR). IMS must be SOF qualified. Must be qualified for Mk-25 rig.

**COURSE NOTES:**

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| **P124316** | K-431-0097 | U | NSW BASIC COMBATIVES | 1 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

***THIS IS A HIGH RISK COURSE*** Combatives is a system that encompasses shooting and non-shooting responses during all NSW missions. It prepares SEAL platoons to survive and dominate a confrontation. The course provides SEAL platoon combatives skill sustainment and incorporates the use of firearms. It improves operator, platoon and SEAL team interoperability.

**PRE-REQUISITE:** ***THIS IS A HIGH RISK COURSE*** Applicants must meet the physical standards for U. S. Navy Jump/Dive physical. Application to be submitted in the format prescribed by MILPERSMAN art. 1410380. This course is HIGH-RISK (DOR). IMS must be SOF qualified.

**COURSE NOTES:**

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| **P124322** | K-062-0100 | U | LCAC CRAFTMASTER CREW | 20 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

Provides the Landing Craft Air Cushion (LCAC) craftmaster with the knowledge and skills required to operate the LCAC in normal emergency, and degraded modes over water and land in all conditions, including ship s well deck entry/exit and be certifiable as an LCAC craftmaster. This course consists of 415 hours of LCAC classroom training which includes systems, rules of the road and operation. This course also consists of 185 hours of Full Mission Trainer (FMT) training and actual LCAC systems familiarization and operations.

**PRE-REQUISITE:**

**COURSE NOTES:** INTL students must arrive Wednesday or Thursday before class convenes in order to support getting ID card and required paperwork. Course extending from 17 wks to 20wks eff 01May16.

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| **P124503** | K- 2G-0037 | U | AMPHIB WARFARE INDOC (Norfolk) | 1 | PEWL | Virginia Beach, VA 23459-2740 |

**ECL:** 70 **EIMET:** No

To provide a comprehensive indoctrination in amphibious operations, to include planning, ship-to-shore movement, supporting arms, tactical air, and landing force organization and functions in order to prepare officers and selected U.S. armed forces enlisted personnel E-6 through E-9 to carry out shipboard and staff assignments adequately and with comprehension of purpose. SCOPE: This course is a comprehensive indoctrination in amphibious warfare. It is designed to prepare Officers and Senior Enlisted personnel (E-6 to E-9) who have been recently assigned, or are pending assignment to amphibious ships or staffs. It is also suitable for officers of other United States forces and allied nations. Type of instruction is classroom lecture with a comprehensive final written examination.

**PRE-REQUISITE:**

**COURSE NOTES:** UNIFORM/EQUIPMENT REQUIREMENTS: Camouflage Utilities, Battle Dress Uniform, wash Khaki, or equivalent; Civilian: Slacks or skirt with collared shirt. This course is open to all rates.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P124505** | N03APJ1 | U | FIRE SUPPORT COORDINATION | 3 | PLAM | Virginia Beach, VA 23459-2740 |

**ECL:** 80 **EIMET:** No

The purpose of this course is to provide personnel with the skills needed to work in a battalion-level Fire Support Coordination Center during amphibious operations or continuing operations ashore. The course encompasses the doctrine, tactics, techniques, and procedures for the planning, coordination, and execution of fire support for battalion-sized operations. Instruction includes an overview of surface and aviation delivered fires, fire support planning, producing a fire support plan, an overview of digital fire support systems, and techniques required for the coordinated employment of fire support assets. Practical exercises are provided to reinforce instruction, culminating in a final exercise simulating the execution of a battalion-level operation.

**PRE-REQUISITE:** Officers and Staff Noncommissioned Officers/Petty Officers (E-6 - E-9 and O-1 - O-5). Student should possess basic computer skills. Students are required to complete the following Marine Corps Distance Learning Network MarineNet classes prior to the course: Joint Terminal Attack Controller (JTAC) Primer - Basic Call for Fire (Course Code JTAC07) and Joint Terminal Attack Controller (JTAC) Primer - Advanced Call for Fire (Course Code JTAC08). IMS will be scheduled to arrive one week prior to actual class convene to complete the JTAC Primer Distance Learning courses."

**COURSE NOTES:** Course is taught on an unclassified basis; however, all IMS must have a Secret security clearance annotated on their invitational travel orders (ITO) in order to be admitted to the classroom area. IMS without such a clearance annotated on their ITO will not be admitted to the classroom spaces and cannot attend training.

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| **P124507** | J- 2G-0048 | U | EXPED WARFARE STAFF PLNG | 1 | PEWL | Virginia Beach, VA 23459-2740 |

**ECL:** 70 **EIMET:** No

To provide Navy and Marine Corps Officers and Staff Non-Commissioned Officers (E6 & above) with the knowledge and skills required for planning amphibious operations. This training focuses on the task performed by officers and senior enlisted assigned to the primary and special staff sections of the Expeditionary Strike Group (ESG)/Marine Expeditionary Unit (MEU). Scope: The course provides students an understanding of expeditionary planning as it pertains to the ESG/MEU. It is designed to enable students to assist in amphibious planning as part of an ESG/MEU staff when conducting expeditionary operations. Student will be assigned a principal or special staff position within the ESG/MEU for practical application exercises. The students will utilize a realistic configuration of ESG assets during practical applications, and apply them to scenarios that are in accordance with likely mission profiles for an ESG/MEU. Students will be evaluated on a performance based evaluation during a mission confirmation brief. Special Note: Student must possess a Secret Clearance in order to access the facility where training takes place. MTT associated with this course is MASL P309197.

**PRE-REQUISITE:** USN Commissioned Officers and Senior Enlisted personnel (E-6 & above) assigned to amphibious ships, Naval Construction, PHIBGRU or PHIBRON, NAVBEACHGRU, SPECWARGRU, TACGRU/TACRON, or Marine Expeditionary Units staffs. Students are required to be graduates of Amphibious Warfare Indoctrination (K-2G-0037) or have six months experience aboard an amphibious unit/staff. USMC active and reserve components: Commander, principal and special staff officers of a designated MAGTF or Major Subordinate Element (MSE). Waivers will be considered by the course manager. UNIFORM/EQUIPMENT REQUIREMENTS: Camouflage Utilities, Battle Dress Uniform, wash Khaki, or equivalent; Civilian: Slacks or skirt with collared shirt.

**COURSE NOTES:**

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| **P124514** | N036741 | U | TACTICAL AIR CONTROL PARTY | 6 | PLAM | Virginia Beach, VA 23459-2740 |

**ECL:** 80 **EIMET:** No

To train students in the joint tactics, techniques and procedures used for controlling and integrating the broad spectrum of fire support and air power available to the Marine Air-ground Task Force (MAGTF) or Joint Task Force (JTF) Commander. This course will prepare aviation officers (naval aviators and naval flight officers) to accomplish their mission as Forward Air Controller (FAC) or staff Air Officer (AO). This course encompasses the concepts, doctrine and principles used in the employment of air power in support of MAGTF or JTF operations. The curriculum prepares students to accomplish eight broadly based mission-essential duties and includes instruction in both planning and employing air power as an integrated fire support asset or force multiplier in support of the ground combat scheme of maneuver. Note: Course is taught on an unclassified basis; however, all IMS must have a Secret security clearance annotated on their invitational travel orders (ITO) in order to be admitted to the classroom area. IMS without such a clearance annotated on their ITO will not be admitted to the classroom spaces and cannot attend training. Quotas are increasingly difficult to acquire for international students at this school and the capacity will not be increased.

**PRE-REQUISITE:** This course is designed for naval aviation officers who will be assigned duties as air officers or forward air controllers with Tactical Air Control Parties, or with naval Tactical Air Control Squadrons. Aviators need 2 years flying experience. Non-aviators (ground combat arms) need 1 year fires experience. Fires experience means the individual has worked as a member in a FiST, FSCC, FDC, FCT, CIC or CDC, or controlling agency who understands the 3 dimensional battlespace and has dealt with deconfliction of surface and/or aviation fires. Completion of 11 on-line JTAC Primer Distance Learning courses: JTAC01: 6 Functions of Marine Aviation; JTAC02: Introduction to Fire Support in MAGTF Operations ; JTAC03: Battlespace Geometry; JTAC04: Targeting; JTAC05: Air Command and Control; JTAC06: Close Air Support ; JTAC07: Basic Call For Fire; JTAC08: Advanced Call For Fire; JTAC09: Nine-Line; JTAC10: Fixed Wing Employment; and JTAC11: Rotary Wing Employment. IMS will be scheduled to arrive one week prior to actual class convene to complete the JTAC Primer Distance Learning courses.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P124520** | N306741 | U | TACTICAL AIR CONTROL PARTY | 6 | PEWM | San Diego, CA 92155 |

**ECL:** 80 **EIMET:** No

To train students in the joint tactics, techniques and procedures used for controlling and integrating the broad spectrum of fire support and air power available to the Marine Air-ground Task Force (MAGTF) or Joint Task Force (JTF) Commander. This course will prepare aviation officers (naval aviators and naval flight officers) to accomplish their mission as Forward Air Controller (FAC) or staff Air Officer (AO). This course encompasses the concepts, doctrine and principles used in the employment of air power in support of MAGTF or JTF operations. The curriculum prepares students to accomplish eight broadly based mission-essential duties and includes instruction in both planning and employing air power as an integrated fire support asset or force multiplier in support of the ground combat scheme of maneuver.

**PRE-REQUISITE:** This course is designed for naval aviation officers who will be assigned duties as air officers or forward air controllers with Tactical Air Control Parties, or with naval Tactical Air Control Squadrons. Aviators need 2 years flying experience. Non-aviators (ground combat arms) need 1 year fires experience. Fires experience means the individual has worked as a member in a FiST, FSCC, FDC, FCT, CIC or CDC, or controlling agency who understands the 3 dimensional battlespace and has dealt with deconfliction of surface and/or aviation fires. Completion of 11 on-line JTAC Primer Distance Learning courses: JTAC01: 6 Functions of Marine Aviation; JTAC02: Introduction to Fire Support in MAGTF Operations ; JTAC03: Battlespace Geometry; JTAC04: Targeting; JTAC05: Air Command and Control; JTAC06: Close Air Support ; JTAC07: Basic Call For Fire; JTAC08: Advanced Call For Fire; JTAC09: Nine-Line; JTAC10: Fixed Wing Employment; and JTAC11: Rotary Wing Employment. IMS will be scheduled to arrive one week prior to actual class convene to complete the JTAC Primer Distance Learning courses.

**COURSE NOTES:** Quotas are increasingly difficult to acquire for international students at this school and the capacity will not be increased. INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork.

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| **P127001** | A-495-0416 | U | GEN SHBD FF TRN SCBA | 0.2 | PTC2 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Familiarize officers and enlisted personnel with shipboard firefighting systems, procedures and equipment. The scope includes proper techniques and procedures for general shipboard firefighting. Fires including Alpha, Bravo and Charlie fires and fires involving conventional weapons. The duties of oxygen breathing apparatusmen, nozzlemen, hosemen, plugmen, accessmen, and portable extinguisher supplymen are also addressed. The OPNAV damage control proficiency satisfied by this course is Level II. This course utilizes the OBA only.

**PRE-REQUISITE:** Students must have orders and medical screenings in hand (no facsimiles accepted). Students must be physically qualified to handle fire hoses, wear full fire fighting gear and work various damage control equipment in hot, humid and stressful environment. Students shall be clean shaven. "No shave chits" are not accepted. Students must be medically screened by their parent command no earlier than 96 hours prior to arrival at fire fighting school. Medical screening shall be completed IAW NPDCINST 1500.1. This is to ensure individuals are medically qualified to safely participate in the course. Orders must be stamped or typed with "Medically Qualified", or command medical screening form must be filled out and attached to orders. A command medical representative must verify information is accurate and affix his/her seal and/or signature to the document. Potential students who are unable to participate in or complete the PRT must have specifically stated on their orders that they have been evaluated by their parent command for the specific condition(s) and are cleared for fire fighting training. This screening and notation should be done within 96 hours prior to attending course. PCS personnel must bring health record or have screening completed within 96 hours prior to CLCVN by medical facility. Students/teams without the required medical statement on their orders/screening will not be trained and will be returned to their parent command.

**COURSE NOTES:** This course is open to all rates. MINIMUM NUMBER OF STUDENTS: 12

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| **P127012** | K-495-0045 | U | SHPBD DAMCONT TRNG | 0.2 | PTC2 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Required course for DCRS and Inport Emergency Teams (IET). Provides a one day opportunity for DCRS and IET Teams to perform as a team in investigating, reporting, repairing structural damage (shoring, pipe patching and plugging), and to control/stop flooding. This is equivalent to Level One training IAW OPNAVINST 3541 series. SCOPE: This course utilizes lectures, Powerpoint and practical exercises. Subject matter consists of 4 hours of classroom instruction and 4 hours of practical application. Areas covered include investigation, dewatering, damage control communications and equipment, shoring, pipe patching, EEBD, PHARS, hazardous material, material conditions, patching and plugging drills, and a wet battle problem utilizing the damage control wet trainer.

**PRE-REQUISITE:** All students should be PQS qualified members of a DCRS or Students must have orders and Medical Screening form in hand. A stamp or notation on orders specifically stating "STUDENT IS MEDICALLY QUALIFIED TO ATTEND" will suffice. Students must be medically screened by parent command no earlier than 96 hours prior to arrival at damage control school. Medical screening shall be IAW NPDCINST 1500.1 (series). Potential students who are unable to participate in or complete the PRT must have it specifically stated on their orders that they have been evaluated by their parent command and are cleared for damage control training.

**COURSE NOTES:** Students without required medical statements on orders will not be trained and returned to parent command. This course is opened to all rates and paygrades. Individuals with sickle cell trait shall be briefed by the parent command corpsman regarding necessary hydration procedures. No contact lenses will be permitted in the wet trainer during the wet battle problem. The use of combat spectacles is allowed.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P127180** | N/A | U | CHEMICAL BIOLOGICAL IRF | 2.8 | POSI | Indian Head, MD |

**ECL:** 80 **EIMET:** No

The purpose of this course is to train students to function as a basic member of the Chemical Biological Incident Response Force (CBIRF) that responds to a credible threat or a weapons of mass destruction incident in order to assist local, state, or federal agencies in the conduct of post-incident consequence management operations. CBIRF provides capabilities for agent detection and identification; casualty search, rescue, and personnel decontamination, and emergency medical care and stabilization of contaminated personnel. The instruction will cover pre-deployment, deployment, pre-staged, and no notice response of the force as either the Initial Response Force (IRF) or as the Follow on Force (FOF), as well as various functions, and procedures within the CBIRF. Prerequisites: Private E-1 thru 0-10, or Civilian/Foreign National involved in WMD Response. All personnel assigned to CBIRF are required to successfully complete the course of instruction to be assigned as a member of the IRF. Required gear list: Camouflage Utility Uniform, or service equivalent, PT gear (shorts/t-shirt), M40 Field Protective Mask (FPM) or service equivalent, Training Mission Oriented Protective Posture (MOPP) Suit, or service equivalent, Hygiene gear, pen/pencil and note pad.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P127437** | A-495-2062 | U | SHPBD CBR-D OPS/TRNG SPEC | 2 | PFL1 | FT Leonard Wood, MO 65473 |

**ECL:** 80 **EIMET:** No

To provide basic to advanced Chemical, Biological, and Radiological Defense (CBR-D) training for enlisted personnel (E5-E9), Source Ratings (DC, HT, & HM). Enlisted graduates of this course will be prepared to conduct CBR-D training at Training Commands and aboard ship for CBR-D, advise on integration of CBR-D operations into a normal command organization of the functions necessary to prepare for, defend against and recover from CBR-D involvement. SCOPE: This course has been designated as High Risk IAW OPNAVINST 1500.75A and is designed to teach the knowledge and skills needed to perform CBR-D Operations and Training Specialist duties. The course is taught only at the Center for Naval Engineering Learning Site Fort Leonard Wood (CNE LS FLW), Missouri. Course areas covered will include: practical training for Chemical/Biological Agents, instruments/operational aspects, Chemical and Biological decontamination and survey operations, practical training with radiac instruments/operational aspects, radiation surveys, calculations and decontamination. Students will be required to perform in a simulated wartime and peacetime environment wearing actual protective clothing. CNE LS Fort Leonard Wood provides enhanced training through the use of the U.S. Army Chemical Appartatus Training Facility (CATF).

**PRE-REQUISITE:** Prior to transfer - the transferring command will ensure the following: 1. Must bring optical inserts for MCU-2P Mask or be able to see 20/40 (near or distant) or better in one eye. 2. Students must meet the Physical Fitness Requirements IAW OPNAVINST 6110.1 series. 3. Pregnant members are not allowed to attend the course due to the nature of the training. 4. Enlisted personnel (E5-E9), Source Ratings (DC,HT, HM, AD, AM,AME, PR, AE and AT). 5. Failure to meet any prerequisite will result in disenrollment. OTHER Students reporting for instruction must meet Physical Readiness Program standards IAW OPNAVINST 6110.1 series (Body-fat percentage of 22% for males and 30% for females). Students failing to meet this requirement will be dropped from the course.

**COURSE NOTES:** SPECIAL NOTES: THIS COURSE IS A PREREQUISITE FOR P127143, "SENIOR ENLISTED DC", A-495-2055. IMSO orders must state in block 12 able to Participate in hazardous duty training.

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| **P128003** | N/A | U | CENTRIFUGE-BASED FLT ENVIRON TRAINER (CFET) (NP5) | 0.2 | PWST | San Antonio, TX |

**ECL:** 80 **EIMET:** No

Required initial training per OPNAVINST 3710.7 series for all tactical jet aircrew flying AV-8, EA-6, F-5, F-14, F-16, or F/A-18 aircraft prior to reporting for FRS training. Per General NATOPS, tactical jet aircrews that have not received dynamic CFET training shall receive this course as soon as operationally practical. Scope: Classroom and laboratory presentations covering the physiological affects of acceleration and the counter measures employed in the high G environment. Training device evolution includes the centrifuge (device 9A16).

**PRE-REQUISITE:** Current Aero-medical Clearance Notice signed by a Naval Flight Surgeon, avaiation medical officer, or aviation medical examiner is required. Candidate shall be a winged Naval Aviator, Naval Flight Officer, Naval Flight Surgeon, Naval Aerospace Physiologist or Naval Aerospace Experimental Psychologist.

**COURSE NOTES:**

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| **P128011** | CIVCONTR | U | U-36 SIMULATOR | 1 | PFST | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

Lear Jet (U-36) Simulator Training.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129008** | CIVCONTR | U | OPERATIONAL TEST AND EVALUATION (OT&E) COURSE | 3 | PTPS | Mojave, CA 93502-0658 |

**ECL:** 70 **EIMET:** No

This course develops a “customer-centric” view of testing by providing an overview of current OT&E philosophies, processes, concepts and issues. Specifically the course provides an understanding of how OT&E fits into the acquisition process, the interrelationships of DT&E and OT&E, how test objectives are derived from user requirements, and the importance of relating test results to mission requirements. The course is extremely beneficial to anyone involved in OT&E; to DT&E testers who interface with OT&E; and to Program Office personnel, Program Managers and Test Managers whose programs are subject to OT&E and who would need to certify a system ready for OT&E. The course is continually updated to make it consistent with current US Department of Defense guidance. The course is adaptable to foreign government personnel and to civil airline pilots, engineers, and managers who are in a position to evaluate a new aircraft or system for their government or company, who need to work with the manufacturer to define special mission or customer requirements, and who must evaluate resulting modifications to ensure an operationally viable aircraft. The course consists of classroom lectures to teach basic flight test principles, concepts, and processes. The classroom instruction is reinforced by two demonstrations and two project flights, which are designed to provide "hands-on" experience in flight testing. A final student project further reinforces classroom instruction. During the final project, students use operational requirements documents to plan, flight test, and report on how well an aircraft or system can meet mission needs. OT&E student projects in previous classes have included both fixed wing and rotary wing, for air vehicle and avionics systems evaluations.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P129020** | N/A | U | DOD OPERATIONS SECURITY COURSE (OPSE-2500) | 0.6 | VAR | |

**ECL:** 70 **EIMET:** No

THIS COURSE IS TAUGHT AT THE JOINT OPSEC SUPPORT CENTER (JOSC) IN (SAN ANTONIO, TX), 1ST INFORMATION OPERATIONS COMMAND (FT. BELVOIR, VA), NAVAL INFORMATION OPERATIONS CENTER (Norfolk, VA AND San Diego, CA), 39TH IOS (HURLBURT, FL), AND AT OTHER ADJUNCT LOCATIONS CERTIFIED BY THE IOSS. (SEE IOSS TRAINING CALENDAR AT WWW.IOSS.GOV HTTP://WWW.IOSS.GOV/TRAINING/WWW.IOSS.GOV ). (2) MOBILE TRAINING TEAM (MTT). AVAILABLE FOR DIRECT SUPPORT TO COCOM'S. ALL OTHER REQUESTS FOR JOSC MTT SUPPORT MUST BE STAFFED THROUGH J39 USSTRATCOM. CONTACT THE JOSC FOR SPECIFIC STAFFING DETAILS AT (210) 977-5652. DESCRIPTION : THIS COURSE IS DESIGNED TO PREPARE DOD OPSEC PERSONNEL TO PROVIDE OPSEC PLANNING AND ANALYSIS SUPPORT TO THEIR COMMANDERS, TO DEVELOP AND IMPLEMENT AN OPSEC PROGRAM, TO INTEGRATE OPSEC INTO MISSION PLANNING AND TO PLAN AND CONDUCT OPSEC ASSESSMENTS. OBJECTIVE : UPON COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO: * APPLY THE OPSEC PROCESS METHODOLOGY TO THEIR OWN ORGANIZATIONS AND ACTIVITIES * IDENTIFY SOURCES OF INFORMATION AND SUPPORT MATERIALS FOR OPSEC PRACTITIONERS * CONDUCT AN OPSEC ANALYSIS OF A PROGRAM, ACTIVITY OR OPERATION * MARKET AN OPSEC PROGRAM * WRITE AN OPSEC POLICY * IMPLEMENT AND MANAGE AN OPSEC PROGRAM TARGET STUDENT POPULATION : THIS COURSE IS DESIGNED SPECIFICALLY FOR DEPARTMENT OF DEFENSE INDIVIDUALS PERFORMING IN THE FOLLOWING TYPES OF POSITIONS AND FUNCTIONS: * OPSEC PROGRAM MANAGERS * OPSEC COORDINATORS * OPSEC WORKING GROUP MEMBERS NOTE : ACADEMIC CONTENT OF OPSE 2500 AND OPSE 2400 ARE THE SAME. DOD STUDENTS MAY ATTEND EITHER, BUT OPSE 2400 IS TAILORED SPECIFICALLY TO DOD REQUIREMENTS. OPSE-1400 IS AN ACCREDITED NATIONAL CRYPTOLOGIC SCHOOL COURSE

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P129022** | CIVCONTR | U | CAT II TEST PILOT AND FLT ENG CRS - LIGHT A/C | 16 | PTPS | Mojave, CA 93502-0658 |

**ECL:** 70 **EIMET:** No

A sixteen-week course that covers the core of performance and flying qualities flight testing. The academics are done coincidentally with the year-long Professional Course students. Training includes 38 hours of flight time in twelve types of light aircraft. Both military specifications and civil certification requirements are stressed for a complete flight test education. The course is taught once each year always starting in late June. The course is comprised of several discrete modules (Performance I & II and Flying Qualities I & II), which allows the student the flexibility to spread the fifteen-week course over two or more years, if required. During the performance and flying qualities modules, LAFTC students will attend academic classes with NTPS’ Professional Course students. At the end of the course the student will perform a comprehensive final project on a single aircraft with a formal written and oral report on their findings. This course is approved for fifteen credit hours towards a Master of Flight Technology degree program from the National Flight Test Institute and has been approved by the German civil aviation authority (LBA) for a Class 2 (TB-2) test pilot license. Subjects covered: T & E 4001 Professional Course Introduction Module (3 weeks) T & E 4101 & 4102 Performance Flight Testing I & II Academic Modules (6 weeks) T & E 4103 & 4104 Flying Qualities Flight Testing I & II Academic Modules (5 weeks) Final Project (2 weeks)

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129042** | K-495-0051 | U | GAS FREE ENGRG | 0.8 | PLSM | Mayport, FL |

**ECL:** 70 **EIMET:** No

To prepared personnel to assume the duties and to perform the tasks of a shipboard Gas free Engineer in accordance with NAVSEA Technical Manual Chapter 074 Volume 3 series. To make the student aware of the many hazardous atmospheres found onboard US Naval ships. To train the student in the use of the various instruments available to him/her for the purpose of determining if a hazardous atmosphere exists. The course also deals with the actual procedures for ensuring that a Gas Free Engineering program is functioning properly. UNIFORM: Students are required to report in the Uniform of the Day. BDU/NWU and safety shoes will be required on specific days as announced by the instructor as the class convenes. Personnel cannot be color blind. Students must have official orders in hand. Served aboard Navy Ships sufficiently long enough to have become familiar with shipboard organization, routine and compartmentation.

**PRE-REQUISITE:** AVAB E-4 and above, or E-3 with CO waiver in hand.

**COURSE NOTES:** This course is open to all rates, Pay-Grades E-4 and above.

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| **P129069** | C-050-0604 | U | RESCUE SWIMMER REFRESHER | 2.2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 80 **EIMET:** No

The Rescue Swimmer School Training Program (RSSTP) Refresher Course (Category II) is designed to provide refresher training to aviation and surface rescue swimmers who are returning to a rescue swimmer billets from non-swimmer billets. It is also designed to make rescue swimmers aware of any changes in rescue swimmer equipment and/or procedures which have occurred since their last exposure. SCOPE: This course provides personnel with refresher training and hands-on experience in First Aid, CPR, Rescue Equipment, Waterborne Lifesaving Techniques, Day/Night Water Entries, Parachute Disentanglement, Search and Rescue Tactics, Night and Multiple Rescue Situations, and Helicopter Operations. Students will also undergo rigorous physical training which consists of calisthenics, weight lifting, timed swims up to 500 meters followed by a 400 meter buddy tow - all under 27 minutes and running continuously for 3.2 miles"

**PRE-REQUISITE:** Student MUST BE A VOLUNTEER. A. Completed a CNO approved SAR School. B. Current flight physical. (Aviation) or current SAR Physical (Surface) within 1 yr. IAW Manual of the Medical Department, Section III, Article 15-71. C. All students must pass the Rescue Swimmer School (RSS) Physical Readiness In-test. The complete test consists of the most current Sar Fitness Test (SFT) as outlined in the OPNAVINST 3130.6 (series). Fleet RSS surface candidates must possess documentation from TYCOM screen authority certifying the member's satisfactory completion of the RSS physical readiness in-test requirements.

**COURSE NOTES:** Attendees shall not be assigned duty by their parent command while TAD to the school due to High Risk Training. 1. Rescue Swimmer training courses have been designated as High Risk Training by the Chief of Naval Education and Training. Therefore, enrollment is voluntary and may be terminated by the student at any time. 2. Material requirements: a) Medical record with current ATG signed screening form, b) Good running shoes and plain white socks, c) One appropriate Service Dress uniform and three working uniforms. 3. All CAT I students, regardless of parent command locality, are REQUIRED to reside onboard NAS Jacksonville for the duration of their assignment to Rescue Swimmer School due to the high-risk nature and physical/aquatic demands of the course. COST orders ($45/night) are mandatory and rooms will be automatically secured with assignment of course quota at the Navy Gateway Inn, NAS Jacksonville, from the day prior to class convening date until the day of graduation. Additional nights are the responsibility of the parent command and can be reserved by contacting Navy Gateway Inn directly.

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| **P129070** | CIVCONTR | U | T&E 4207 ELECTRO-OPTIC & INFRARED SYS FLIGHT TEST | 1 | PTPS | Mojave, CA 93502-0658 |

**ECL:** 70 **EIMET:** No

A review of basic Infrared and Electro-optic theory focuses on the application of these theories. The initial portion of the course reviews radiation theory while the remainder presents a detailed analysis of typical active and passive Electro-optical systems components. The instruction stresses the most correct and efficient means of evaluating these systems and predicting systems performance in both ground and flight environments. The course will also address infrared countermeasures and counter-countermeasures and how to evaluate their effectiveness. Upon completion fo this course, students should be familiar with the history, evolution and application of EO and IR systems and understand: --The theory, flight test procedures, techniques and data analysis associated with electro-optic systems. --Atmospheric propagation. --Target signatures. --Sources of radiation. --Spatial frequency and range predictions. --Electro-optic and infra-red test techniques. --Lasers and laser range finders Texts and Reference Materials: "Electro-optical Imaging System Performance," Gerald C. Hoist NTPS Course notes Instructor Text Instructional Methodology: Lectures

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P129078** | N/A | U | OJT LCAC OPERATIONAL TRAINING (GAP) | 0.6 | PACU | Camp Pendleton, CA 92055-5161 |

**ECL:** 70 **EIMET:** No

Ashore and at sea training sessions for experienced LCAC personnel. Course is designed to provide operational training of modified LCAC vessels.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129086** | DMRTI-US002 | U | JOINT MEDICAL OPERATIONS COURSE (JMOC) | 1 | PDMR | Fort Sam Houston, TX 78234 |

**ECL:** 85 **EIMET:** No

Provides training in joint and combined operational and medical planning spanning the operational environment from point of injury/illness to appropriate capability of care across the full spectrum of military operations.

**PRE-REQUISITE:** The following 5 courses must be completed prior to attending the JMOC course. 1) ICS 100 - Intro to Incident Command 1,2 ; 2) ICS 200 - Single Resources & Initial Action Incidents 1,2 ; 3) IS 700.a Nat'l Incident Mgt System (NIMS), An Introduction 1, 2; 4) IS 800.b - Nat'l Response Framework (NRF), an Introduction 1, 2; course available at http://www.training.fema.gov/is/nims.aspx; 5) Defense Support of Civil Authorities (DSCA) Phase I (J3ST-US010); course available at https://jkodirect.jten.mil IMSs must submit Nomination Request Form to DMRTI NLT 8 weeks prior to course convening dates. Form can be accessed through the DMRTI web site: www.dmrti.army.mil or email: usarmy.jbsa.medcom-ameddcs.list.dmrti-jommc@mail.mil for an electronic copy. Contact DMRTI for questions regarding access to courses 1)-3) above: usarmy.jbsa.medcom-ameddcs.list.dmrti-jommc@mail.mil or 210-221-2652/DSN 471-2652.

**COURSE NOTES:**

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| **P129101** | D-600-0506 | U | LANDING SIGNALMAN ENL | 1 | PHSE | Norfolk, VA 23511-2296 |

**ECL:** 70 **EIMET:** No

Provides selected personnel with training in the basic skills required for safe and expeditious helicopter operations aboard Air Capable, Amphibious Assault Aviation LPH/LHA/LHD), and Aviation Ships (CV/CVN). Classroom instruction shall include lessons on helicopter capabilities, limitations and special characteristics, Shipboard Flight Quarters Organization, Helicopter Emergencies, Aircraft Movement, Handling Procedures, Visual Signals, Helicopter Safety, Flight Deck Visual Landing Aides, and Night Vision Goggles. Prerequisites: A. Vision correctable to 20/20 B. Normal depth perception C. Normal color vision D. Highly motivated E. Possess qualities of mature judgement F. Possess basic reading comprehension skills.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P129120** | C-101-0024 | U | TACMOBILE MOBILE FUNDAMENTALS (TMF) | 2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, personnel who make up the mobile system teams will have sufficient knowledge/skills required to assemble, disassemble Mobile Tactical Operations Centers (MTOCs). These journeyman level skills will be performed under limited supervision utilizing knowledge of mobile systems theory, mission requirements, system equipment and logistics support while globally deployed to operating locations ashore. SCOPE: Instruction include mobile systems, mobile systems equipment, P-8A Poseidon aircraft/mission equipment, mobile systems logistics support, mobile mission planning, and mobile systems setup.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P129121** | C-101-2025 | U | TACMOBILE MISSION PLANNING COURSE (TMPC) | 1 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Tactical Operations Center and Mobile Tactical Operations Center watch officers, watch standers, acoustic/non-acoustic analysts, and Maritime Patrol and Reconnaissance Aircraft (MPRA) tactical aircrew will have sufficient knowledge and skills required to operate Joint Mission Planning System (JMPS) based Mission Planning Capability (MPC). These journeyman level skills are to be performed under limited supervision utilizing knowledge of MPRA mission planning, federated applications, and external databases and programs while globally deployed to operating locations ashore. SCOPE: Instruction includess CNATT policies and procedures, MPC software overview, technical resources, mission setup, communication systems, navigation plan, situational awareness, platform configuration, weapons, non-acoustic plans, acoustic plans, miscellaneous data, and preflight insertion data.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129122** | C-210-0363 | U | TACMOBILE SYSTEM OPERATOR (TMSO) | 7.2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Warfare System Operators will have sufficient knowledge and skills to operate associated Tactical Mobile equipment in support of Maritime Patrol Reconnaissance Aircraft (MPRA) missions. These journeyman level skills will be performed under limited supervision following all safety precautions within fixed and mobile configurations while globally assigned to forward operating locations ashore. SCOPE: Instruction includes introduction to Tactical Operation Center (TOC), introduction to Mobile Tactical Operation Center (MTOC), P-8A Poseidon aircraft/mission equipment, introduction to TacMobile mission planning, introduction to systems Operator functions and responsibilities, and post-flight operations and battle lab exercises.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P129123** | C- 2G-0367 | U | TACMOBILE WATCH OFFICER (TMWO) | 1 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, selected Officers and Chief Petty Officers will have sufficient knowledge and skills required in the leadership and management control of Tactical Operations Center (TOC) and Mobile Tactical Operations Center (MTOC) operational watch teams through employment of unique Command, Control, Communications, Computers, and Intelligence (C4I) Systems and techniques which will assist Task Group Commanders (CTG) in planning and executing assigned missions within the Navy Command and Control System (NCCS), Joint Maritime Command Information Systems (JMCIS), and Global Command and Control Systems- Maritime (GCCS-M) networks. These master level skills are to be performed by using TacMobile Systems to accomplish the unit's mission while globally assigned to forward operating locations ashore and afloat. SCOPE: Instruction include TacMobile Watch Officer responsibilities, TOC/MTOC equipment, aircraft /mission equipment, P-8A subsystem, mission planning operations, briefing operations, conducting debrief operations, and practical mission.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P129133** | J-495-0413 | U | FIREFIGHTING SHPBD AIRCRFT | 0.2 | PSLS | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

To provide instruction to officers and enlisted personnel assigned to aviation designated ships (LPH/LHA and larger) in aircraft fire fighting. SCOPE: The scope of this course includes instruction on personnel protective equipment, flight/hanger deck equipment and systems, procedures and techniques for combating fires, and actual fire fighting exercises involving class Bravo fires. The OPNAV damage control proficiency level satisfied by this course is level II. Students must have orders and medical screenings in hand(no facsimiles accepted). Personnel must be in sound physical condition to man fire hoses and work with various damage control equipment. Students must be medically screened by their parent command no earlier than 96 hours prior to arrival at fire fighting school. Medical screening shall be completed IAW CNETINST 3541.1C. This is to ensure individuals are medically qualified to safely participate in the course. Orders must be stamped or typed with "Medically Qualified", or command medical screening form(s) must be filled out and attached to the orders. A command medical representative shall verify information is accurate and affix his/her seal and/or signature to the document and date. Potential students who are unable to participate in or complete the PRT must have specifically stated on their orders that they have been evaluated by their parent command for the specific condition(s) and are cleared for fire fighting training. This screening and notation shall be done within 96 hours prior to attending the course. PCS personnel must bring health records or have screening completed within 96 hours prior to CLCVN by medical facility. Students without the required medical statement on their orders/screening will not be trained and will be returned to their parent command. This course is open to all rates.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P129149** | A- 4G-0021 | U | INTL - DAMCONT ASST | 7 | PSLS | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

International DCA School establishes and provides a continuum of professional damage control training in support of survivability requirements that prepares INTERNATIONAL officers and senior enlisted to serve at sea in senior damage control leadership positions. Course Description - The course covers the following areas in-depth: 1. Repair Division Administration and Responsibilities 2. Damage Control Administration and Training 3. Damage Control Equipment and Systems 4. Damage Control Petty Officer Program requirements, equipment and maintenance procedures 5. Stability and Buoyancy 6. Battle Damage Evaluation and containment techniques 7. Chemical, Biological and Radiological Defense management 8. Gas Free Engineering. This course includes the Basic Shipboard Fire Fighting, Helo Fire Fighting and Wet Trainer (Buttercup)

**PRE-REQUISITE:** Students must have Steel Toe Boots and Work Uniforms for class. Graduation will be in Dress Uniform.

**COURSE NOTES:** Student must have Steel Toe Boots, Work Uniforms and Coveralls for class. Graduation will be in Dress Uniform.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129154** | C-050-0600 | U | RESCUE SWIM SCHOOL - TACT | 5 | PAVS | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

Provides USN and USMC personnel (E-1 through E-9) with knowledge and skills necessary to rescue waterborne survivors and to initially qualify as Aviation Rescue Swimmers. The Chief of Naval Operations (CNO) mission statement for Naval Aviation Rescue Swimmers is: The mission of the Naval Aviation Rescue Swimmer is to execute search and rescue (SAR) operations from rotary wing aircraft. The rescue swimmer shall be physically conditioned to routinely perform demanding rescues in hostile environments. His/Her expertise shall provide fleet commanders the ability to assist Department of Defense and civilian personnel in distress. The rescue swimmer shall be in proper physical condition, be proficient with rescue equipment and have the basic first aid, CPR, Resuscitation knowledge and skills necessary to recover and assist personnel during SAR operations. The rescue swimmer must be able to function in physiologically demanding environments at sea or on land during day or night operations.

**PRE-REQUISITE:** MASL NUMBER P117024 IS A PREREQUISITE FOR RESCUE SWIMMER SCHOOL, MASL P129154.

**COURSE NOTES:** We recommend that International students be alloted one work day (Mon-Fri) for administrative processing i.e., ID`s, photo`s, telephone (at student`s request), etc. If the class starts on Tuesday, we recommend that the students arrive over the weekend as Monday will be used as the administrative processing day.

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| **P129178** | C-050-0500 | U | SURFACE RESCUE SWIMMER C1 | 4 | PTDN | San Diego, CA 92136-5588 |

**ECL:** 80 **EIMET:** No

Surface Rescue Swimmer School is a voluntary High Risk course designed to provide Navy, USMC (E1-E9), designated Army personnel, and Military Sea Lift Command personnel with the knowledge and skills necessary to initially qualify as Search and Rescue Swimmers. Upon completion of this course, the Surface Rescue Swimmer is prepared for assignment with surface units to provide Rescue Swimmer duties. SCOPE This course provides personnel with initial training and hands-on experience in First Aid, CPR, Rescue Equipment, Waterborne Lifesaving Techniques, Day/Night Water Entries, Parachute Disentanglement, Search and Rescue Tactics, Inanimate Object Recovery, Night and Multiple Rescue Situations, and Motor Whaleboat/Rescue boat/Focsle operations. Students will also undergo rigorous physical training which consists of calisthenics, timed swims of up to 2000 meters/50 minutes in a open water environment, with the use of mask, fins, and snorkel, and running 25-30 minute group paced runs at a 8.5-10 minute per mile pace. SPECIAL NOTE: Attendees shall not be assigned duty by their parent command while TAD to the school due to High Risk Training.

**PRE-REQUISITE:** Prospective candidates shall provide a letter on command letter head, signed by the Commanding Officer or the Command Designated Search and Rescue (SAR) Officer, by direction, confirming all of the following prerequisites have been met by the service member. Candidate must: (1) BE A VOLUNTEER; (2) Remain in a NON-Duty status for the duration of the Surface Rescue Swimmer training (3) complete Surface Rescue Swimmer Physical per manual of the Medical Department, Section III and ART. 15-71 within one year; (4) report to Rescue Swimmer School (RSS) with PRIMS data sheet indicating member scored good or better on PFA within 9 months of class convening date; (5) complete Physical Readiness Assessment Screen (PRS) within 3 months of class convening date; (6) receive Commanding Officer's recommendation; (7) have no record of conviction by court martial and not more than one non-judicial punishment during the 18 months preceding assignment to school; (8) have no pending disciplinary action; (9) be designated a second-class swimmer per NAVPERS 15560C, pg 66-1, 6610120 para 1.2, and 3; and (10) must pass Rescue Swimmer School (RSS) PRES, which consists of the following (in this order): 2 pull-ups, 50 curl-ups ( 2 minutes maximum), 42 push-ups ( 2 minutes maximum), 1.5 mil run (12 minutes maximum), 400 meter swim (crawl or side stroke in Navy swim suit only (swim goggles optional)) (11 minutes maximum). Fleet RSS inputs must possess a page 13 service record entry by the TYCOM SAR evaluator certifying the member's satisfactory completion of RSS PRES requirements. Candidates cannot have attrited by means of a Drop on Request (DOR) from any high-risk training course within the past two years. This requirement is waiverable by the CCMM on a case-by-case basis. Basic Underwater Demolition/Sea 1(BUD/S) training and Explosive Ordnance Disposal(EOD) DOR candidates do not need a waiver.

**COURSE NOTES:** All CAT 1 students are required to reside in barracks onboard NAS JAX for duration of their assignment to Rescue Swimmer School due to the high-risk nature and physical/aquatic demands of this course. Barracks are automatically secured through Rescue Swimmer School with assignment of course quota. If screening is needed students should report at least 7 days prior to class start. Please contact school house for guidance.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129181** | J-495-0419 | U | ADV SHPBD FIREFIGHTING | 0.8 | PTC2 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The Advanced Shipboard Firefighting course is designed to train supervisory fire party personnel in advanced techniques in fire fighting and proper management of on-scene personnel. This course includes hands-on training as fire party members including Repair Locker Leader, Scene Leader, Investigator, Nozzleman, Hoseman, Access Man, and Plotter. The course also utilizes different methods and equipment to extinguish different classes of fires. The following subjects are covered: fire party duties; DC communications; de-smoking equipment and procedures; hose handling; machinery space fires; use of OBA, and selected emergency equipment; P-250; Halon 1301; special hazards fires; helo firefighting and personnel rescue.

**PRE-REQUISITE:** General Shpd FF (J-495-0412), P127006. Students must have orders and medical screening in hand(no facsimiles accepted). Be an E-4 or above unless assigned as Repair Locker Leader, On-scene Leader, Team Leader, Nozzleman, or Investigator. Must have had "previous live fire fighting training. Students must be physically qualified to handle fire hoses, wear full fire fighting gear and work with various damage control equipment in hot, humid and stressful environment. Students must be clean shaven. "No shave chits" are not accepted. Students must be medically screened by their parent command no earlier than 96 hours prior to arrival at fire fighting school. Medical screening shall be completed IAW NPDCINST 1500.1. This is to ensure individuals are medically qualified to safely participate in the course. Orders must be stamped or typed with "Medically Qualified", or command medical screening form(s) must be filled out and attached to the orders. A command medical representative must verify information is accurate and affix his/her seal and/or signature to the document. Potential students who are unable to participate in or complete PRT must have specifically stated on their orders that they have been evaluated by their parent command for the specific condition(s) and are cleared for fire fighting training. PCS personnel must bring health records or have screening completed within 96 hours prior to CLCVN by medical facility. This screening and notation should be done within 96 hours prior to attending course. Students without the required medical statement on their orders will not be trained and will be returned to their parent command.

**COURSE NOTES:** THIS COURSE IS A PREREQUISITE FOR P166235, "DAMCONT REPAIR PARTY LDR", K-495-0040.

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|---|---|---|---|---|---|---|
| **P129491** | A-050-0500 | U | SURFACE RESCUE SWIMMER C1 | 3.8 | PHMR | Jacksonville, FL 32212 |

**ECL:** 80 **EIMET:** No

Surface Rescue Swimmer School is designed to provide Navy, USMC (E1-E9), designated Army personnel, and Military Sea Lift Command personnel with the knowledge and skills necessary to initially qualify as Search and Rescue Swimmers. Upon completion of this course, the Surface Rescue Swimmer is prepared for assignment with surface units to provide Rescue Swimmer duties. SCOPE: This course provides personnel with initial training and hands-on experience in First Aid, CPR, Rescue Equipment, Waterborne Lifesaving Techniques, Day/Night Water Entries, Parachute Disentanglement, Search and Rescue Tactics, Inanimate Object Recovery, Night and Multiple Rescue Situations, and Motor Whaleboat/Rescue boat/Focsle operations. Students will also undergo rigorous physical training which consists of calisthenics, timed swims (up to 2000 meters), and running 25-30 minute group paced runs at a 8.5-10 minute per mile pace.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P129519** | A-061-0012 | U | QUARTERMASTER CLASS A | 7.4 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

To provide basic knowledge and skills necessary to perform duties of a Quartermaster of the Watch (less visual signalling) aboard ships underway, in port or at anchor. Scope: Instruction in charts and related publications, navigational aids, time and time pieces, Nautical Rules of the Road, logs, compasses and compass error, weather, tide and currents, sunrise and sunset, azimuths, taking bearings, symbols and labels, types of navigational fixes, set and drift, speed and distance, and plotting problems.

**PRE-REQUISITE:** Normal color perception and vision correctable to 20/20. Rate: SA/SN

**COURSE NOTES:** International Notes Changed To: If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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|---|---|---|---|---|---|---|
| **P129963** | PCL-OJT | U | OJT ASHORE - LANTFLT | 1 | VAR | |

**ECL:** 70 **EIMET:** No

OJT ASHORE TRAINING UNDER PCL

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P129PCL** | N/A | U | MISC COMLANT TRNG | 1 | VAR | |

**ECL:** 70 **EIMET:** No

To provide maritime officers with simulator ship handling experience in order to refresh/improve overall ship handling skills and confidence prior to going to sea.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P130001** | NATO | U | DATA LINK GATEWAY (DLGW) TRAINING | 0.6 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

Course covers DLGW system familiarization and in-depth operator/administrator training, including two-way conversion of Ethernet data to serial data (1553 bus).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131000** | A-662-0002 | U | ELECTRICAL STRAND | 3 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

The Basic Engineering Common Core 9C course offers entry-level training for the EM and GSE ratings. Training will be provided to Electrician's Mates and Gas Turbine Electricians in pay grades E1 through E4 with the knowledge and skills required to operate, troubleshoot, and perform organizational level corrective maintenance on electrical and electronic equipment and systems. The skills acquired will be used, under supervision, onboard Naval vessels for all conditions of readiness. Reusable Learning Objects (lessons) will address technical areas to include: Electrical Safety, Repair Party Electrician, Electrical Distribution, Shore Power, Shipboard Wiring, Motor Controllers, Motors, Motor Operated Valves, Sensing and Control Devices, Fiber Optics, Logic Circuits, Programmable Logic Controllers, Circuit Cards, Master Light-off Checklist, and other associated devices and sub-systems. Scope: Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electrical and electronic equipment. Trainees will be introduced to technical procedures, interpretation of meter indications on digital multimeters, fault isolation techniques for AC circuits by isolating the cause of each malfunction to the faulty component, analyze the operating and generator action, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by the Fleet.

**PRE-REQUISITE:** PAYGRADES E1-E4 RATE EM RATE GSE

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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|---|---|---|---|---|---|---|
| **P131006** | PGAT | U | PRINCIPLES OF MODERN RADAR | 1 | VAR | |

**ECL:** 70 **EIMET:** No

PRINCIPLES OF MODERN RADAR Learn radar principles, systems, techniques, phenomenology, and the basics of radar technology. Get up-to-date examples of modern radar systems, including microwave and millimeter-wave, and their applications. Understand antennas, transmitters, receivers, clutter and noise, detection, signal processing, waveform design, Doppler techniques, resolution, multipath, and reflectivity measurements. In Atlanta, demonstrations of radar systems and their components complement the lectures. Notes: Who should attend: Course is for Engineers, Scientists and Managers from industry, education institutions, and Government agencies.

**PRE-REQUISITE:** Basic Radar Concepts P131005 (Recommended).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131012** | A-100-0102 | U | EM APPRENTICE TECHNICAL TRNG ATT (AEC) | 5.8 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the EM rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, and other associated devices and sub-systems. Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduced to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet. Training Delivery Method: Computer based

**PRE-REQUISITE:**

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P131017** | N/A | U | MODELING & SIMULATION OF RF ELECT WARFARE SYSTEMS | 0.8 | PGAT | Atlanta, GA 30332-0870 |

**ECL:** 70 **EIMET:** No

Modeling and Simulation of RF Electronic Warfare Systems Develop techniques for modeling and simulation of electronic attack systems as countermeasures to modern radar, communications, surveillance systems and radio frequency weapons, electronic protection designs, and systems to provide counter-countermeasure protection for modern radio frequency systems and weapons. Explore radio frequency systems using the radar equation; coherent and non-coherent systems; electronic warfare/electronic attack/electronic protection functions, methods, techniques, and processes; and phenomenology (targets, clutter, and propagation). Notes: WHO SHOULD ATTEND: Engineers, Scientists, and Managers

**PRE-REQUISITE:** Basic Radar Concepts or Principles of Modern Radar courses or their equivalent and electronic warfare knowledge at the Basic Electronic Warfare Concepts level.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131023** | N/A | U | PRINCIPLES OF PULSE DOPPLER RADAR | 0.6 | PGAT | Atlanta, GA 30332-0870 |

**ECL:** 70 **EIMET:** No

Understand Pulse-Doppler radar and how it is used to detect moving targets in the presence of background clutter. Examine the Doppler shift, how Doppler frequency is measured by a coherent radar, and the range and Doppler extents of the interfering clutter from the perspective of an airborne radar. Explore the concepts of ambiguities and blind zones and their implications toward clutter folding, probability of detection, search time, and the need for pulse-repetition frequency variation. Examine three major PRF regimes - high, medium, and low. Notes: Who should attend: Engineers, Scientists, Managers from Industry and Academia, and Government Organizations

**PRE-REQUISITE:** Prior exposure to basic radar concepts and a familiarity with signal processing theory is helpful for understanding certain topics.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131025** | N/A | U | SIGNAL INTELLIGENCE FUNDAMENTALS (SIGINT) | 0.4 | VAR | |

**ECL:** 70 **EIMET:** No

SIGNAL INTELLIGENCE FUNDAMENTALS (SIGINT) Course Description: Obtain a systems engineering understanding of SIGINT systems and techniques. Explore the impact of antenna type, propagation effects and signal processing techniques on emitter detection. Learn similarities and differences between interferometers and modern digital beam-forming approaches. Examine common emitter geo-location algorithms, as well as analytical means to predict their performance. Target Audience: Engineers, scientists, Tech Mgrs, Marketers, Procurement decision-makers, and Military Planners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131026** | CIVCONTR | U | CE1/2 BASIC ELECTRONICS | 1 | PMTA | Novi, MI 48377 |

**ECL:** 70 **EIMET:** No

Course of instruction for students to learn design and function of electronics systems; how to operate the engine system; and how to identify and rectify minor faults.

**PRE-REQUISITE:** Good electronic knowledge; and knowledge of course language

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131032** | A-100-0058 | U | 2M TECHNICIAN RECERTIFIER | 2 | PNAB | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

To provide prospective 2M Technician Recertifiers, 2M/MTR Field Service Engineers and Fleet Coordinators with the technical knowledge and skills necessary to implement the Fleet Recertification requirements. They will be capable of performing all tasks required of 2M Technicians. Their primary jobs will be to recertify Miniature and Microminiature Electronic Repair Technicians, to identify equipment and site improvements necessary to meet minimum standards, and to apply minimum standards of quality set forth in the Standards Maintenance Practices, 2M Electronic Assembly Repair Manual (NAVAIR 01-1-1A-23, NAVSEA SE004-AK-TRS-010/2M) for all levels of repair. SCOPE: The 2M Technician Recertifier course will cover inspection criteria for the Miniature Electronics Repair Course (A-100-0072) and Microminiature Electronics Repair Course (A-100-0073). The course will also cover the requirements of personnel recertification, documentation and database inputs.

**PRE-REQUISITE:** Completion of Miniature Electronics Repair (A-100-0072) and Microminiature Electronics Repair (A-100-0073) Courses.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P131033** | CIVCONTR | U | CE3/4 ADVANCED ELECTRONICS | 1.4 | PMTA | Novi, MI 48377 |

**ECL:** 70 **EIMET:** No

Course of instruction for students to learn design and function of electronics systems; how to operate the monitoring systems; how to identify and rectify faults; how to exchange components; and how to program electronic systems

**PRE-REQUISITE:** CE1/2 Basic Electronics, P131026 Good electronic knowledge; and knowledge of course language

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P131042** | J-662-0021 | U | ELECTRIC MOTOR REWIND | 6 | PTC2 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide necessary training on the specific equipment or skill described. SCOPE: The Electric Motor Rewind Course Outline of Instruction provides personnel with the knowledge and skills necessary to rewind alternating current (A/C) electric motors, operate electric motor test equipment, calculate motor rewind data, disassemble, reassemble and test operate the final product. Students will rewind one single phase A/C motor using the conentric gang wound method and four three-phase A/C motors using the gang, continuity, concentric and lap winding methods incorporating the throw up and throw down technique. The extensive background of motor winding connections will include single voltage (3 lead), dual-voltage (9 lead), consequent and salient pole connections. The student will be able to rewind motors afloat and ashore under normal conditions with limited supervision.

**PRE-REQUISITE:** E-4 or below and a graduate of EM (A) School or EM E-5 and above, and have a rewind facility at present command. (If attending under PCS orders, next duty station must have a rewind facility.) All other Department of Defense personnel must have basic electrical theory equivalent to Electrician s Mate Class "A" School.

**COURSE NOTES:** COURSE REQUIRES FOOT PROTECTION. STEEL TOED SAFETY SHOES/BOOTS ARE REQUIRED FOR THIS COURSE. IT IS THE STUDENT S RESPONDSIBILITY TO PROVIDE THEIR OWN SAFETY SHOES/BOOTS. SAFETY SHOES CAN BE PURCHASED AT THE NAVY EXCHANGE ON BASE AT A COST OF APPROXIMATELY 50 TO 75 U.S. DOLLARS. SOME COURSES ALSO REQUIRE COVERALLS.

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|---|---|---|---|---|---|---|
| **P131351** | A-100-0141 | U | FIRE CONTROLMAN A STRAND | 16 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

This training prepares the personnel for entry into Fire Control Class "C" schools by providing the level of training that will be required by the technician as a prerequisite to higher learning. The course provides the type of training and the methodology which is more individualized training using Computer Aided Instruction (CAI) and VISTA Simulated equipment. Prerequisite MASL: APPRENTICE TECH TRAINING (ATT) P139013 / CIN A-100-0106

**PRE-REQUISITE:**

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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|---|---|---|---|---|---|---|
| **P131378** | C-100-2018 | U | AV TECH O LEVEL A1 STRAND | 6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 75 **EIMET:** No

To provide knowledge and skills in avionics systems maintenance. This knowledge will enable them to assimilate, under direct supervision, further organizational level avionics maintenance training at the apprentice level. The course covers: 1. RF COMMUNICATIONS: RF communications, transmitter/receiver fundamentals, block diagram/signal analysis, troubleshooting the AM transceiver, antennas/transmission lines, fiber optics, IR, laser, basic avionics systems. 2. COMMUNICATIONS and NAVIGATION SYSTEMS: ADF, TACAN, Doppler navigation, AHARS, INS, ACLS, ICS/UHF, HF VHF, crypto, IRC, SLU, IFF, fire control systems, ASW, EA. 3. RADAR: Principles of RADAR, maintenance instruction manual, inspection, and physical security, airborne search radar, synchronizer, indicator, transmitter, receiver, antenna, troubleshooting the radar. 4. WIRING: Basic integrated systems, wiring diagrams.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P131379** | C-100-2017 | U | AV TECH I LEVEL A1 STRAND | 17.2 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 75 **EIMET:** No

Provides knowledge and troubleshooting skills in electricity/electronics, communications and RADAR. This knowledge will enable them to assimilate, under direct supervision, further intermediate level avionics maintenance training at the apprentice level. The course covers: 1. MATHEMATICS for ELECTRONICS, AC CIRCUIT ANALYSIS: Mathematics used to solve electronic problems, RL circuit analysis, RC circuit analysis, LCR circuit analysis, digital devices, amplifiers, rectifiers, filters and voltage dividers. 2. DIGITAL LOGIC CIRCUITS: Flip-Flops, Multivibrators, Registers, Clocks and Counters, Adders, Subtractors, Multipliers, Dividers, Microprocessors, Microprocessor Signal Analysis. 3. RF COMMUNICATION: RF Communications, Transmitter/Receiver Fundamentals, Block Diagram/Signal Analysis, Troubleshooting, Signal Tracing, AM Transceiver, AM Receiver, AM Transmitter, FM. 4. RADAR: Synchros, Servos, Gyros, INS, Solid State Devices, Physical Security, Airborne Search Radar, Synchronizer, Receiver, Indicator, Transmitter.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

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|---|---|---|---|---|---|---|
| **P131380** | C-602-2039 | U | AE A1 STRAND | 9.2 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 75 **EIMET:** No

To provide selected students with fundamental knowledge and skills required to perform scheduled and unscheduled maintenance on Naval aircraft electrical and electronic instrument systems under limited supervision. Course is designed to prepare them for entry into further training in specific platforms. School completion qualifies the student as an Aviation Electrician's Mate. BASIC AVIATION ELECTRICAL TROUBLESHOOTING, WIRE REPAIR, AND SAFETY PRACTICES. Familiarization in aircraft electrical power generation, regulation and distribution, basic aircraft instrumentation, indicating systems, electro-hydraulic functions and automatic flight controls with a strong emphasis placed on schematic interpretation and signal tracing. Additional topics include maintenance publications, documentation, quality assurance, and maintenance concepts.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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|---|---|---|---|---|---|---|
| **P131384** | C-100-0110 | U | AT I APPREN TECH (AEC) | 4.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the AT rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices, Communication Systems, Radar Systems, and other associated devices and sub-systems. Scope: Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

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|---|---|---|---|---|---|---|
| **P131385** | C-100-0112 | U | AT O APREN TECH (AEC) | 4.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the AT rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices, Communication Systems, Radar Systems, and other associated devices and sub-systems. Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P131386** | C-100-0111 | U | AO APPREN TECH (AEC) | 1.2 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the AO rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices, Communication Systems, Radar Systems, and other associated devices and sub-systems. Scope Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

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|---|---|---|---|---|---|---|
| **P131387** | C-100-0109 | U | AE APPREN TECH (AEC) | 4.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the AE rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices, Communication Systems, Radar Systems, and other associated devices and sub-systems. Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

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|---|---|---|---|---|---|---|
| **P131388** | C-100-0113 | U | AS APPREN TECH (AEC) | 1.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the AS rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices, Communication Systems, Radar Systems, and other associated devices and sub-systems. Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

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|---|---|---|---|---|---|---|
| **P132004** | A-100-0103 | U | IC APPRENTICE TECH (AEC) | 8.8 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 75 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the IC IC APPRENTICE TECHNICAL TRAINING rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, and other associated devices and sub-systems. SCOPE: Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet. SPECIAL NOTE: This is the prerequisite course for P132104 - IC-A-SCHOOL - A-623-0105

**PRE-REQUISITE:**

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P132010** | N/A | U | UNIT ENHANCEMENT TRAINING | 3 | PMBC | Twentynine Palms, CA |

**ECL:** 70 **EIMET:** No

This course will introduce selected International Military Student (IMS) personnel to USMC small unit tactical procedures. This course of instruction will emphasize individual and small unit tactical fire and maneuver; including formations, weapons employment, communications, fire support coordination, and control measures. Upon completion of this course, IMSs will have acquired sufficient knowledge of USMC small unit tactical procedures to enable their participation in joint exercises.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P132016** | A-102-0256 | U | GIGABYTE ETHERNET DATA MULTIPLEX SYSTEM/GEDMS | 8 | PTCL | Virginia Beach, VA 23461 |

**ECL:** 70 **EIMET:** No

To provide the necessary knowledge and skills to perform organization level preventive maintenance of the system, as well as operation skills and knowledge required to perform organizational level corrective maintenance. Course Description: The Gigabit Ethernet Data Multiplex System (GEDMS) course is designed to provide technicians with the knowledge and skills required to operate, troubleshoot, repair, and maintain the GEDMS AN/USQ-82 (V) to the circuit card or subassembly level. Planned Maintenance System (PMS) and corrective maintenance actions are included. The job skills acquired will be performed with limited supervision, for all conditions of ship readiness, in port and underway.

**PRE-REQUISITE:**

**COURSE NOTES:** General knowledge in electronics Security Clearance of SECRET Invitational Travel Orders required Color Perception II

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|---|---|---|---|---|---|---|
| **P132017** | A-150-0052 | U | AN/SYQ-27 NFCS (NAVY FIRE CONTROL SYSTEM) O&M | 3 | PASP | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The AN/SYQ Mission Planning System, Naval Fires Control System (NFCS) Operation and Maintenance Course of instruction is designed to provide selected Fire Controlman (E3-E9) the requisite knowledge and skills to operate and maintain the NFCS. The course includes the following: respond to calls for fire (CFF), develop naval fire plans, enter meteorological and tactical picture information, designate a priority fire mission for immediate execution, and execute naval fire plans using the NFCS with limited supervision. The course will also provide background information on Land attack operations, system interfaces, embedded NFCS training resident within NFCS, Fire Support doctrine, and Operational Order implementation. The technician will be trained to properly maintain and troubleshoot the NFCS onboard Aegis class Cruisers and Destroyers under all condition of ship readiness. Course Description: The course includes the following: Respond to calls for the fire, develop naval fire plans, enter meteorological and tactical picture information, designate a priority fire mission for immediate execution, and execute naval fire plans using the NFCS with limited supervision. The course will also provide background information on land attack operations, system interfaces, embedded NFCS training resident within NFCS, Fire Support doctrine, and Operational Order implementation. The technician will be trained to properly maintain and troubleshoot the NFCS under all conditions of ship readiness.

**PRE-REQUISITE:**

**COURSE NOTES:** Security Clearance of SECRET Color Perception II Invitational Travel Orders required

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P132021** | A-100-0097 | U | IC COMBINED A SCHOOL | 16.4 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

The Interior Communications Combined 'A' School course is designed to provide trainees with apprentice level skills and knowledge necessary to accomplish and perform Interior Communications Electrician duties to include electrical/electronics, communications and radar communities Switchboards, Auxiliary Electrical Systems, Shipboard Navigation Systems, Amplified Voice Systems and Basic Alarm, Safety, and Warning Systems. With the knowledge and skills it will enable them to become vital and integral members of a crew, perform satisfactorily with limited supervision in a ship or shore environment, and reinforce previously learned military behaviors and routines, motivate and foster an identification with the naval community by stressing the necessity and criticality of the task they will be performing on a daily basis. Materials covered in this course include multimeters, DC circuits, complex DC circuits, wiring, introduction to AC, AC test equipment, inductance and RL circuits, capacitance and RC circuits, RC time constants and transients, resonance, transformers, relays and switches, diodes & diode circuits, transistor circuits, power supplies, transistor amplifiers, transistor oscillators, transistor pulse circuits, trigger device circuits, operational amplifiers, RF electronics, introduction to digital circuits, digital logic functions, combinational logic functions, flip-flop circuits, register memory circuits, arithmetic counting, conversion and data circuits, microprocessors, basic motors, advanced motor operation, basic syncro/servo, advanced syncro/servo, fiber optics, computer technology, hydraulic/pneumatic systems, basic telephone systems, transducer systems, programmable logic controllers, basic mathematics, algebra, computer math and specialized communications systems, safety, technical publications, CSOSS, 3-M, troubleshooting, PQS, security, corrosion, tools, test equipment, ORM, switchboards, ordering, indicating and metering, auxiliary electrical systems, shipboard navigation systems, amplified voice systems, sound powered telephone system, wind indicating system, shipboard telephones, basic alarm, safety and warning. Upon completion of Interior Communications Combined `A¿ School course, Sailors will have attained the knowledge and hands on skills necessary to perform Interior Communications duties at the apprentice level, greatly contributing to the overall operational readiness of any ship or shore command.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P132104** | A-623-0105 | U | INTERIOR COMM ELECT CL A | 7.2 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

Provides personnel with the basic knowledge and skills necessary to operate, maintain and repair IC equipment and systems at the apprentice level as part of a ship s IC work center and under the direct supervision of a senior IC Electrician. Includes description of basic maintenance and repair procedures for various Interior Communications (IC) equipment. This course is structured around a simulated shipboard trainer allowing the student true hands-on experience with equipment and systems they will find in the Fleet.

**PRE-REQUISITE:** MASL P132004 - "IC-ATT" A-100-0103

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P133025** | C-222-2010 | U | AIR TRAFFIC CONTRL AC A1 | 16 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 80 **EIMET:** No

Provides selected Navy enlisted and Marine Corps aviation enlisted and officer personnel with the basic tower and radar control knowledge to meet the requirements of the Federal Aviation Administration (FAA) for certification and the technical knowledge which, when followed by the appropriate practical application and experience, will lead to the fulfillment of the technical requirements at the apprentice entry level for the air traffic controller. This course covers the fundamentals and systems of air traffic control and provides the basic simulated operational application experiences that are prerequisite to functioning as an apprentice air traffic controller in a base operations, control tower and/or terminal radar environment. The course of instruction sequentially covers/provides for: 1. FAA Certification study material and administration of the FAA Airman Written Test (Control Tower Operator) 2. Control Tower Operations 3. Terminal Radar Procedures 4. Base Operations.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233 IMSs MUST REPORT THREE BUSINESS DAYS PRIOR TO CONVENE DATE.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P133026** | C-222-2022 | U | ADV RADAR AIR TRAF CONTROL | 4 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 80 **EIMET:** No

Provides selected Air Traffic Control personnel with advanced knowledge in airspace management, navigational equipment, basic knowledge in Terminal Instrument Approach Procedures (TERPS) and the technical knowledge and practical application of procedures used at various control positions of a Radar Air Traffic Control Facility. This course of instruction, followed by the required training at a facility, will lead to an Air Traffic Control Specialist (ATCS) Rating. The Advanced Radar Air Traffic Control Course is designed to provide air traffic controllers with advanced classroom and laboratory instruction in airspace management, Fleet Area Control and Surveillance Facility (FACSFAC), Naval Air Traffic Control, Air Navigation Aids and Landing System (NAALS), airspace cases and criteria, obstruction evaluation, special use airspace, airspace for special use, airspace proposal, Air Installation Compatible Use Zone (AICUZ), a basic knowledge in TERPS, terminal area procedures, radar / non-radar rules and regulations.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P133027** | C-222-2019 | U | AMPB AIR TRAF CNTRL CEN OP | 6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 80 **EIMET:** No

Provides selected Air Traffic Control personnel with the basic knowledge and skills necessary to perform amphibious air traffic control operations readiness, watch station, and system operation functions during amphibious air operation evolutions. The course covers the organization, directives, rules, procedures, phraseology and equipment related to an Amphibious Air Traffic Control Center (AATCC) and amphibious air operations. Topics include: Overview of Amphibious Operations; Amphibious Task Force Organization and Command Relationships; an overview of Tactical Air Control Squadron (TACRON) Operations and how they relate to operations in an AATCC; Ship Organization including pre-deployment requirements; Overview of Amphibious Air Operations including OC division responsibilities to include equipment and pre-launch brief, publications, charts, and messages used during amphibious air operations including publication and use of the Daily Air Plan; Charts used in an AATCC and airspace concerns; Watchstation duties and responsibilities.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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|---|---|---|---|---|---|---|
| **P133028** | C-222-2012 | U | AIR TRAF CNTL CEN CARRIER | 6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 80 **EIMET:** No

To provide selected air traffic control personnel with basic knowledge and skills necessary to perform carrier air traffic control center team member air operations readiness, watch station and system operation functions during carrier air operation evolutions.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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|---|---|---|---|---|---|---|
| **P134003** | A-113-0043 | U | CIWS COMBINED TRAINING (San Diego CA) | 27.8 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The Phalanx Close-In Weapon System MK 15 Block 1 Baseline 1 through Block 1B Baseline 1 Operation and Maintenance course is designed to provide US Navy Fire Controlmen and US Coast Guard Electronics Technician's E-1 to E-9 the training necessary to perform preventive and corrective maintenance, with minimal supervison, on the Close-In Weapon System MK 15 Mods 11-14, 21, 22, 25-28, both in-port and underway. SCOPE: The purpose of this new course is to implement changes reflected throughout the Fleet regarding the most relevant information on current system configurations. This revision will allow students to receive training on Mk 15 Close-In Weapon System Block 1 Baseline 1 through 1B Baseline 1.

**PRE-REQUISITE:** FC A STRAND OTHER U.S. Coast Guard of the ET Ratting are authorized to attend this COI. PREREQUISITES RATE FC PREREQUISITES SECURITY CLEARANCE SECRET

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P134004** | A-100-0093 | U | FC COMBINED A SCHOOL | 25.6 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

The Fire Control Technician Combined 'A' School is designed to provide the skills and knowledge necessary to accomplish and perform Fire Control Technician duties to include working with electrical/electronics, communications and radar equipment. The course provides concepts to comprehend electrical/electronic theories, communication principles, radar principles, and basic troubleshooting of the following systems down to the component and module levels: Basic Radar and Planned Position Indicators. Troubleshooting concepts are taught using the NIDA Trainer, Built-in Test Equipment (BITE) and General Purpose Electrical and Electronic Test Equipment (GPETE). Materials covered in this course include multimeters, DC circuits, complex DC circuits, wiring, introduction to AC, AC test equipment, inductance and RL circuits, capacitance and RC circuits, RC time constants and transients, resonance, transformers, relays and switches, diodes & diode circuits, transistor circuits, power supplies, transistor amplifiers, transistor oscillators, transistor pulse circuits, trigger device circuits, operational amplifiers, RF electronics, introduction to digital circuits, digital logic functions, combinational logic functions, flip-flop circuits, register memory circuits, arithmetic counting, conversion and data circuits, microprocessors, basic motors, advanced motor operation, basic syncro/servo, advanced syncro/servo, fiber optics, computer technology, hydraulic/pneumatic systems, transducer systems, programmable logic controllers, basic mathematics, algebra, computer math and specialized communications systems, safety, security, CSOSS, tools, 3M, PQS, basic alarm, safety and warning systems, electronic auxiliary systems, electromagnetic interference, corrosion, inertial navigation system, fire control weapons, fire control delivery, fire control engagements, test equipment, ORM, technical publications, troubleshooting, displays and indicators, apprentice Doppler radar, radar 1, radar 2, radar display, radar systems, AN/SPS-T1 radar, and basic network. Upon completion of Fire Control Technician Combined `A¿ School course, Sailors will have attained the knowledge and hands on skills necessary to perform Fire Control Technician duties at the apprentice level, greatly contributing to the overall operational readiness of any ship or shore command.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P134005** | A-113-0048 | U | CIWS MK 15 BLK 1B BL 2 DIFF COURSE | 1 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The purpose of this course is to educate and train US Navy Fire Controlmen and US Coast Guard personnel to perform basic operation, preventive and corrective maintenance on CIWS MK 15 MODS 21, 22, 25-28 Block 1B Baseline 2 systems, subsystems and equipment, under all conditions of readiness, on land, in port, or underway. Upon successful completion of and graduation from this course, personnel will perform at the Journeyman level without direct supervision. SCOPE This course uses a combination of classroom instruction, laboratory instruction, and laboratory practical application as part of the building block approach to learning. Upon completion of this course, students will have an in-depth knowledge of operation, preventive and corrective maintenance of CIWS MK 15 Block 1B Baseline 2 differences. This course provides Block 1B Baseline 2 training in the following areas: 1. Introduction and Fundamentals 2. Hardware Differences 3. Operations 4. Communications 5. Built-In Test (BITE) and Maintenance

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P137152** | A-104-0176 | U | AN/SPS-49(V) RADAR SET MT | 12 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Provides maintenance training on the AN/SPS-49(V)1 Radar Set which further provides the Electronic Technician with the skills and knowledge to perform preventative and corrective maintenance under normal operating conditions.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P137162** | A-104-0222 | U | AN/SPS-49A 5,7,8 & MT TECH | 11.4 | PNAB | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

AN/SPS-49(V)5,7,8 and A(V) MT TECH Designed to provide selected Electronic Technicians (ET) and other equivalent personnel with the training required to maintain the AN/SPS-49(V)5,7, 8 and A(V)1 Radar Sets under all shipboard readiness conditions, using the Built-In Test Equipment (BITE) and other associated test equipment, with no supervision. Students will be provided sufficient knowledge and skills required to perform the associated alignments, test, corrective and preventive maintenance. Performance tests, troubleshooting, corrective and preventive maintenance will be limited to the modular repair concept. The maintenance and checkout will include the ability to recognize, analyze, locate and correct malfunctions occurring in the AN/SPS-49(V)5,7,8 and A(V)1 Systems following the procedures defined in the current equipment technical manuals.

**PRE-REQUISITE:** Graduate of Electronic Technician Class (A) School or other maintenance personnel with equivalent qualifications.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P139013** | A-100-0106 | U | ET APPREN TECH SELF PACED | 11.8 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

ELECTRONIC TECHNICAL APPRENTICE TRNG - SELF PACED is a Computer Aided course that includes all of the surface electronic / electricity rates. Course will include training in basic electricity/electronic theory component level troubleshooting for corrective maintenance use and interpretation of equipment manuals, operation of test/electronic equipment in accordance with technical publications. The course is designed to provide the knowledge and skills needed to prepare for rating entry level performance. SCOPE: Provides knowledge and skills in basic electricity and electronics to include: -Direct Current theory and circuit troubleshooting -Alternating Current theory and circuit troubleshooting -Analog Circuit theory and circuit troubleshooting -Digital Circuit theory and circuit troubleshooting. METHOD OF INSTRUCTION: Self-paced

**PRE-REQUISITE:**

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P139050** | A-202-0041 | U | INFORMATION & COMMUNICATION MANAGER COURSE (ICMC) | 3 | PTC5 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide basic and advanced communication and information systems training for junior officers and senior enlisted billeted as senior enlisted communicators or communication/information system managers/officers. Scope: This course will provide communications personnel, enlisted and officer (E6-05) with the knowledge and skills required to manage all aspects of shipboard communications to ensure operational readiness.

**PRE-REQUISITE:** Paygrade E6-O5, RATE-IT

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P139051** | A-202-0041 | U | INFORMATION & COMMUNICATION MANAGER COURSE (ICMC) | 3 | PFC3 | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

To provide basic and advanced communication and information systems training for junior officers and senior enlisted billeted as senior enlisted communicators or communication/information system managers/officers. Scope: This course will provide communications personnel, enlisted and officer (E6-05) with the knowledge and skills required to manage all aspectes of shipboard communications to ensure operational readiness.

**PRE-REQUISITE:** Paygrade E6-O5, RATE-IT , Security Clearance: Secret to enter facility.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P139052** | N/A | U | C4I: OE 570/WSC SATCOM ANTENNA TRAINING | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

C4I equipment training. Course will cover OE 570 theory, functional description, operational procedures, scheduled and corrective maintenance. The course will be split into classroom/lab and operational OJT training of actual antennas mounted on test tables.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is normally taken in conjunction with the SPAWAR C4I course P139053 on RT 1829.

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| **P139053** | N/A | U | C4I: RT 1829 UHF SATCOM TERMINAL TRAINING | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

C4I equipment training. Equipment operational and maintenance familiarization training for countries with this same US DoD C4I infrastructure.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is normally taken in conjunction with the SPAWAR C4I course P139052 on EO 570.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P139055** | A-100-0092 | U | ET COMBINED A SCHOOL | 30.6 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

The Electronics Technician (ET) Combined 'A' School is designed to provide the skills and knowledge necessary to accomplish and perform Electronics Technician duties to include working with electrical/electronics, communications and radar equipment. The course provides concepts to comprehend electrical/electronic theories, communication principles, radar principles, and basic troubleshooting of the following systems down to the component and module levels: Basic Radar, Basic Communication Systems, and Planned Position Indicators. Troubleshooting concepts are taught using the NIDA Trainer, Built-in Test Equipment (BITE) and General Purpose Electrical and Electronic Test Equipment (GPETE). Materials covered in this course include multimeters, DC circuits, complex DC circuits, wiring, introduction to AC, AC test equipment, inductance and RL circuits, capacitance and RC circuits, RC time constants and transients, resonance, transformers, relays and switches, diodes & diode circuits, transistor circuits, power supplies, transistor amplifiers, transistor oscillators, transistor pulse circuits, trigger device circuits, operational amplifiers, RF electronics, introduction to digital circuits, digital logic functions, combinational logic functions, flip-flop circuits, register memory circuits, arithmetic counting, conversion and data circuits, microprocessors, basic motors, advanced motor operation, basic syncro/servo, advanced syncro/servo, fiber optics, computer technology, hydraulic/pneumatic systems, basic telephone systems, transducer systems, programmable logic controllers, basic mathematics, algebra, computer math and specialized communications system,. safety, 3M, technical manuals, PQS, corrosion, security, technical publications, alarm, safety, and warning systems, CSOSS, tools and their uses, test equipment, troubleshooting, ORM, electronic auxiliary system, electromagnetic interference, inertial navigation system, apprentice/doppler radar, communications systems, HF receiver, HF transmitter, UHF transceiver, radar 1, displays and indicators, radar display, radar 2, radar systems, AN/SPS-T1 radar, basic network Upon completion of Electronics Technician Combined A course, Sailors will have attained the knowledge and hands on skills necessary to perform Electronics Technician duties at the apprentice level, greatly contributing to the overall operational readiness of any ship or shore command.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P139057** | J-201-0816 | U | TACTICAL SUPPORT COMMUNICATIONS OPERATOR (TSCOMM) | 3.2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Provide Information System Technicians (IT) in paygrades E3 through E7 serving in Navy Tactical/Mobile (TacMobile) program Tactical Operations Center (TOC) sites, with knowledge and skills necessary to operate various subsystems of the Tactical Support Communications (TSCOMM) suite, in accordance with standard operating procedures and appropriate technical documentation, during all conditions of readiness with limited supervision. SCOPE: This course consists of classroom presentation and practical work encompassing: - Tactical Mobile (TacMobile) and Tactical Support Communications (TSCOMM) - Communications Security - High Frequency (HF) Propagation Theory - VCS-150/SA-2773 Voice Conferencing Switch Operations - DVL-16 Digital Voice Logger Operations - RMSA-2000/SA-2772 Redundant Matrix Switch Assembly Operations - AN/WSC-3(V)7 Radio Set Operations - AN/USC-54(V) VME Integrated Communications System (VICS) Operations - TMR-8092 Dual High Frequency (HF) System Operations - Long Haul Communications Operations

**PRE-REQUISITE:** Course taught in a secured facility and a SECRET clearance is required for entry into training building.

**COURSE NOTES:**

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| **P139058** | CIVCONTR | U | MLST3 OPERATOR TRAINING | 2 | PGCC | San Diego, CA |

**ECL:** 70 **EIMET:** No

MLST3 OPERATOR TRAINING Course Description: This two (2)-week course is intended to instruct up to ten (10) students on how to operate the MLST3 system. The course will cover multiple Tactical Data Links, including Link 22.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P139224** | A-101-0138 | U | UHF SYSTEMS TECHNICIAN | 11 | PNAB | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

To provide operation and maintenance training on the AN/WSC-3 Communications Sets, OA-9123/SRC Antenna Coupler, OE-82(Series) Antennas, the UHF Demand-Assigned Multiple Access (DAMA) system and the Officer in Tactical Command Information Exchange Subsystem (OTCIXS) and Tactical Data Information Exchange Subsystem (TADIXS) for E-2 through E-9 Electronics Technicians. SCOPE: To provide selected trainees with the knowledge and skills required to operate and maintain, under limited supervision, the AN/WSC-3 Communications Sets (including satellite and line-of-sight), the UHF Demand-Assigned Multiple Access (DAMA) and the Officer in Tactical Command Information Exchange Subsystem (OTCIXS) and Tactical Data Information Exchange Subsystem (TADIXS) to the card/module level of maintenance and to perform system level troubleshooting under normal operating conditions aboard surface ships. PREREQUISITES: OTHER=Graduates of ET "A" School or other maintenance personnel with equivalent qualifications.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P139233** | N/A | U | CDLMS MAINTENANCE | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

Provide personnel with basic knowledge of Link-16 and skills to perform CDLMS system operations, troubleshooting, and maintenance procedures. Course Description: CDLMS maintenance training will familiarize trainees with overall knowledge of the Purpose, Characteristics, Features of Link-16, and Network Management. Additionally, CDLMS training will describe the Link-16 Hardware, Interfaces and Support Equipment. The trainee will also be presented with familiarization of the CDLMS hardware and software components and provide an introduction to the system, operations, troubleshooting, preventive/corrective maintenance and emergency procedures.

**PRE-REQUISITE:**

**COURSE NOTES:** Method of teaching: Classroom and hands-on training. General knowledge in electronics Security clearance of Secret Normal color vision Invitational Travel Orders (ITO) required Minimum ECL Score of 70%

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| **P139234** | N/A | U | JTIDS MAINTENANCE | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

Provide personnel with basic knowledge of Link-16 and skills to perform JTIDS operations, troubleshooting, and maintenance procedures. Course Description: JTIDS maintenance training will familiarize trainees with overall knowledge of the Purpose, Characteristics, Features of Link-16, and Network Management. Additionally, JTIDS training will describe the Link-16 Hardware, Interfaces and Support Equipment. The trainee will also be presented with familiarization of the JTIDS components to include the WRA's and SRA's. Additionally, this unit describes the power and signal flow of the JTIDS cabinet and components, as well as, the troubleshooting steps and procedures for the JTIDS. Method of teaching: Classroom and hands-on training

**PRE-REQUISITE:** General knowledge in electronics Security clearance of Secret Normal color vision Invitational Travel Orders (ITO) required Minimum ECL Score of 70%

**COURSE NOTES:** Maximum Class Size: 6 students

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| **P139268** | N/A | U | AN/USC-42 MINI-DAMA | 2 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 80 **EIMET:** No

Provides the knowledge and skills required to enable personnel to operate and maintain the AN/USC-42 Mini-DAMA Communications System. This course will provide the ability to: Describe the general equipment theory necessary to perform the operation of the Mini-DAMA Communications System. (i.e. UHF SATCOM Theory, DAMA theory, Line of Sight). State the purpose, function, and location of specific equipment related to the capabilities, functions, and limitations Of the Mini-Dama. Apply the principles, rules and concepts necessary to solve given problems and situations pertaining to the operation and maintenance of the Mini-DAMA. Perform normal operational and maintenance procedures such as cleaning and inspection of the AN/USC-42 Mini-DAMA. Perform Built-In Test (BIT) procedures and Manual-Fault Isolation procedures to isolate faults. Perform remove and replace procedures.

**PRE-REQUISITE:** General knowledge in electronics; Invitational Travel Orders required; a Security Clearance of Secret is required to access the training facility; ECL Score of 80%~

**COURSE NOTES:**

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| **P139336** | J- 2G-0213 | U | EWO INTERNATIONAL | 2 | PFC3 | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

This course is designed to familiarize officers and selected senior enlisted personnel with the basic concepts of Electronic Warfare (EW); including the divisions of Electronic Warfare, principles of radar systems, current anti-ship capable missile threat, emission control, Electronic Warfare publications, training and the role of Electronic Warfare in anti-ship missile defense. The course is not designed to enhance performance for any specific task, rather to provide background information to assist in performance of several tasks.

**PRE-REQUISITE:** Students should be officers assigned or enroute to shipboard/staff electronic warfare officer duties or EW associated billets. -Prior CIC or EW experience desired but not required.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P139337** | N/A | U | MOS O&M SYLLABUS | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

Unit 1.0 Link-16: This unit will enhance the trainee s overall knowledge of the Purpose, Characteristics, and Features of Link-16. Additionally, this unit will describe the Link-16 Hardware, Interfaces and Support Equipment. Unit 1.0 provides the trainee with a familiarization of Link-16 that is provided in the Multi-Link Operator course. It is understood tht trainees who have attended MLO have the requisite knowledge and Unit 1.0 is not applicable, hence more emphasis may be placed on equipment rather than operations. Unit 2.0 Equipment Familiarization and Troubleshooting: This unit will provide trainees with a familiarization of the MOS components to include the functions of individual components and the interfaces with support equipment. Additionally, this unit describes the power and signal flow of the MOS cabinet and components, as well as, the troubleshooting steps and procedures for the MOS system. Training course is Platform dependent and will be tailored to concentrate on specific equipment to include MIDS-on-Ship (MOS) and associated interfaces. Training course outline will reflect that equipment.

**PRE-REQUISITE:** Basic understanding of Link-16 waveform, equipment, and operations.

**COURSE NOTES:** Training course is Platform dependent and will be tailored to concentrate on specific equipment to include MIDS-on-Ship (MOS) and associated interfaces. Training course outline will reflect that equipment.

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| **P139340** | C-198-6671 | U | GPETE REPAIR AND CALIBRTN | 13.8 | PNTK | Biloxi, MS 39534-2498 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, the technician will have sufficient skills, knowledge, and techniques to operate, calibrate, analyze, troubleshoot, and repair General Purpose Electronic Test Equipment (GPETE), to the lowest replaceable component/assembly under limited supervision within an Intermediate Maintenance environment. This course provides technicians with operating procedures, detailed theory of operation, calibration, and maintenance procedures for GPETE. Six functional areas are covered: Meters, Oscilloscopes, Frequency Counters, Spectrum Analyzers, Signal Generators, and power measurements. Technical training equipment will utilize various fault insertion techniques to provide realistic calibration and repair scenarios.

**PRE-REQUISITE:** Prerequisite graduate of AT or ET A-school.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P139361** | A-202-2100 | U | IT A SCHOOL | 19 | PTTP | Pensacola, FL 32511-5138 |

**ECL:** 70 **EIMET:** No

The Information Systems Technician "A" School course provides Naval personnel with basic knowledge and skills required to execute information transfer with state-of-the-art multi-media technology. SCOPE: The student will be provided with characteristics and performance of fiber optics, digital microwave, radio frequency (RF) theory and operations; tactical and commercial satellites; operate, manage, and provide hardware and software support to multi-media Automated Information Systems (AIS) to include: Local Area Networks (LANs), Wide Area Networks (WANs), telecommunications, messaging, and SCI; apply diagnostic and restoral techniques using knowledge of electronic and operational systems theory; advise on capabilities; limitations, and conditions of equipment; implement production control procedures including input/output quality control support; implement and monitor security procedures; perform assigned mission organization level maintenance and repair of Command, Control, Communications, Computer, and Intelligence Systems. The student will perform tasks at the apprentice level in afloat and ashore environments under supervision and using technical references. Successful completion of this course qualifies the graduate for NEC 2790 and obtains IA Workforce required A+ Certification and MCP Certification.

**PRE-REQUISITE:** Normal hearing and color perception and normal manual dexterity. SSBI must be initiated prior to reporting. Must have familiarization with computer keyboard. Must have familiarization with accessing and searching the Internet. Seaman recruit and above. SKILL AWARDS NEC 2790 INFORMATION SYSTEMS TECHNICIAN (IAT I) EFF DATE: 22-MAR-2010 RATE: IT EFF DATE: 01-JUL-2010 RES SPON: N6

**COURSE NOTES:** The curriculum is not Secret material but the compound and building where it is taught are classified locations thus requiring the student to have a Secret classification. All IT students after leaving the school are required to process for a Top Secret clearance.

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| **P139453** | A-100-0149 | U | ET A SCHOOL | 19 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

To provide an ET with the knowledge and skills in communication and Radar areas to operate at the apprentice level. SCOPE: Provides the concepts to comprehend communications principles, radar principles, and basic troubleshooting of the following module levels: Basic Radar, Basic Communications System, and Plan Position Indicator. Troubleshooting concepts are taught through the use of Built-in Test Equipment (BITE) and General Purpose Electrical and Electronic Test Equipment (GPETE).

**PRE-REQUISITE:**

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P139455** | N/A | U | LASER SAFETY SPECIALIST (LSS) | 1.2 | PDAH | Dahlgren, VA 22448-5131 |

**ECL:** 70 **EIMET:** No

The LSS possesses the technical knowledge required to perform laser measurements, hazard evaluations and calculations. The LSS must successfully complete the ALA/LNTL-approved LSS course. TLSO certification is a prerequisite for the LSS course. WHO SHOULD ATTEND: Uniformed Military Members, Engineers, Scientists, System Analysts, Technicians, Technical Managers, Procurement Decision-Makers, and Military Planners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P139485** | N/A | U | NPS CORE LAB RESIDENT BASIC SNA I | 1 | PGS | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** No

Participants can receive Level 1 certification by attending and completing the 3-5 day course that introduces them to basic SNA theory and analytical techniques to include collecting relational data using the Lighthouse field collection platform. This introductory curriculum exposes attendees to basic SNA topics through theory and hands-on labs and exercises, including data visualization, centrality measures, network topography, brokers and bridges, and cohesive subgroups. Participants will leave the training with an understanding of relational data collection along with basic knowledge of SNA terms and concepts and a basic familiarity of the SNA software package, the Organizational Risk Analyzer (ORA). Participants are required to complete a final exercise in order to receive Level 1 certification.

**PRE-REQUISITE:**

**COURSE NOTES:** Class is limited to 20 students. Students need to be English speakers or an interpreter needs to be provided. Spanish interpreters are available.

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| **P139486** | N/A | U | NPS CORE LAB RESIDENT INTERMEDIATE SNA II | 1 | PGS | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** No

Attendees can receive Level 2 certification by completing a 3-week curriculum that introduces them to intermediate-level SNA theory and analytical techniques. Level 2 certification, like Level 1 certification, is largely driven by a series of hands-on labs and exercises; however, this course exposes participants to more advanced SNA theory and to intermediate SNA techniques in ORA, including introductions to longitudinal network analysis and fusing relational and geospatial data. More importantly, participants are encouraged to bring their own dataset and they are required to complete a final product by the end of the training in order to receive Level 2 certification. At the end of the training, attendees will have a firm grasp of introductory to intermediate SNA theory and techniques.

**PRE-REQUISITE:**

**COURSE NOTES:** Class is limited to 20 students. Students need to be English speakers or an interpreter needs to be provided.

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| **P139600** | A-101-0148 | U | DATA LINK COMM SYS MT TECH | 10.2 | PTCL | Virginia Beach, VA 23461 |

**ECL:** 70 **EIMET:** No

To train selected Electronics Technicians (ET) in paygrades E1-E7 to operate, perform corrective maintenance, and selected preventive maintenance on the equipments and systems associated with CDS Data Links 4A, 11, and 16 including Joint Tactical Information Distribution Systems (JTIDS) and Command and Control Processor (C2P) and Shipboard Gridlock System. Notes: Student must possess normal color vision.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P141043** | C-600-3000 | U | AV GAS FREE ENGINEERING | 0.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Quality Assurance Division personnel will have acquired sufficient formal training and skills in the certification of aviation fuel cells/tanks as Safety-for-Entry, using a gas monitor indicator under close supervision, in an Organizational/Intermediate maintenance working environment. Scope: The course content will include the following Units of Instruction: 1. Introduction to Aviation Gas Free Engineering (AVGFE) 2. AVGFE Training and Responsibilities 3. AVGFE Safety Issuses and Aircraft Fuel Cell/Tank Maintenance 4. AVGFE Instruments and Califbration Procedures. Prerequisites: Designated Quality Assurance Representative, Collateral Duty/Quality Assurance Representative or personnel assigned to Quality Assurance under Quality Assurance Representative training. (Security clearance may vary by location based upon area/building in which taught. See annual schedule of courses for a particular location.)

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141055** | N/A | U | P3C UDIII/AIP P-3 ENG GRD | 2 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 75 **EIMET:** No

Provide maintenance personnel with the basic fundamentals needed to perform normal and emergency procedures to safely preflight, postflight, and operate the P-3 aircraft for ground maintenance turns. Provides the minimum training necessary for maintenance personnel to become T-56 engine ground turn operators. Curriculum covers review of P-3 aircraft systems and normal and emergency procedures. Course stresses adherence to both standard operating procedures outlined in NATOPS and current maintenance instructions. No attempt will be make to PQS qualify personnel at the FRS.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141065** | C-198-3034 | U | I LEV CALIB PHASES B&D | 4 | PNTK | Biloxi, MS 39534-2498 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Navy and Marine Corps technicians will have sufficient knowledge/theory to perform, under limited supervision, Intermediate Level Calibration of Physical/Dimensional Test and Measuring Systems in an intermediate maintenance environment. This course covers: 1) Physical/Dimensional Calibration Course Indoctrination 2)Pressure and Vacuum Measurement/Inflator Instrument Calibration 3) Torque/Force/Tension Measurement Instrument Calibration 4) Dimensional measurement Instrument Calibration.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141125** | C-601-9973 | U | F/A-18 PP & REL SYS (INITIAL) ORG MAINT | 3 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Machinist Mates and/or the Marine Corps equivalent will have sufficient knowledge to operate and perform, under supervision, organizational maintenance on the F/A-18 Aircraft Fuel System, Secondary Power System, and Engine System, including the applicable test equipment and Support Equipment (SE), in the squadron working environment. SCOPE: This course covers: 1. Introduction to the F/A-18 2. F/A-18 Engine Systems Description and Operation 3. F/A-18 Maintenance with Testing and Troubleshooting 4. F/A-18 Throttle System with Borescope Familiarization 5. F/A-18 Unscheduled Maintenance with Secondary Power System 6. F/A-18 Secondary Power Unscheduled Maintenance 7. F/A-18 C/D Fuel System Description and Operation 8. F/A-18 C/D Fuel System Testing and Troubleshooting 9. F/A-18 C/D Fuel System Maintenance 10. F/A-18 A/B Fuel System

**PRE-REQUISITE:** AD

**COURSE NOTES:** STUDENTS SHALL REPORT TO BLDG 223, ROOM 131.

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|---|---|---|---|---|---|---|
| **P141135** | C-603-9531 | U | P-3C STRUC HYD PWR F/C O/M | 2.4 | PTDW | Oak Harbor, WA 98278 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Structural Mechanic Technicians will have an in-depth knowledge/skills of the P-3 aircraft structures, hydraulics, and flight controls, including system analysis and troubleshooting techniques to perform, under supervision, organizational maintenance in the squadron working environment. Scope: This course covers: 1. P-3 Fuel Cell, Hydraulic Power Supply, Bomb Bay Doors, and P-3A/B Windshield Wiper Systems. 2. P-3 Landing Gear, Brakes and Nose Wheel Steering Systems. 3. P-3 Flight Control Systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141137** | C-646-3573 | U | P-3 CONVENTIONAL WEAPONS LOADING COURSE | 2 | PTDW | Oak Harbor, WA 98278 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Ordnancemen will have sufficient knowledge in the fundamentals of weapons characteristics, armament weapons support equipment, release and control system checks and configuration information to perform under supervision the procedures for loading and unloading conventional weapons for the P-3 aircraft. The course content will include the following Units of Instruction: 1. Introduction to the course, Publications, Ordnance Cer5tification Program 2. Loading Configuration, Release and Control, Common Procedures 3. Conventional Weapons 4. Conventional Weapons Lab

**PRE-REQUISITE:** Graduate of AO "A" School or equivalent Rating: AO

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141147** | C-822-2010 | U | AVIATION BOATSWAIN MATE AIRCRAFT HANDLING | 3.4 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Aviation Boatswain's Mate Aircraft Handling (ABH) Course, Class A1 provides selected personnel with the technical knowledge and basic skills to perform the duties of an apprentice aircraft handler, crash and salvage firefighter, operation of aircraft handling equipment, and carrier deck firefighter, under qualified supervision, at their ultimate duty station (sea or shore) under all conditions of readiness. The course is designed to provide the student with the basic skills and the fundamental knowledge necessary to handle aircraft aboard ship and shore, as well as training on the hazardous materials found in aircraft. The students also receive training on the Gas Turbine Compressors, MK1 life preservers, Aircraft Elevators, Non-Skid and Visual Landing Aids. The course is also designed to provide the students with the fundamental knowledge necessary to inspect and operate Ground Support Equipment. Scope: The course is designed to provide the student with the basic skills and the fundamental knowledge necessary to handle aircraft aboard ship and shore, as well as training on the hazardous materials found in aircraft. The students also receive training on the Gas Turbine Compressors, MK1 life preservers, Aircraft Elevators, Non-Skid and Visual Landing Aids. The course is also designed to provide the students with the fundamental knowledge necessary to inspect and operate Ground Support Equipment. LOCATION INFO: Student must have 12 months obligated service upon graduation. NOTE: All students must report with a full sea bag, within current height/weight and/or body fat standards, and report 48 hours prior to class convening date to facilitate high risk screening. For more information call, COMM: (850) 452-7600, DSN: 922-7600. After hours call NATTC Duty Office, COMM: (850) 452-7300, DSN: 922-7300. MEDICAL CRITERIA FOR PARTICIPATION IN FIREFIGHTING TRAINING 1. An individual will be immediately disqualified from live firefighting training if he/she: a. has bone fractures, any sprains, or has a splint or cast. b. has a hernia. c. is pregnant. d. has been treated for pneumonia, bronchitis, or asthma within the last 10 days. e. has consumed any form of alcohol since midnight. f. has had less than 4 hours sleep, since midnight. g. has conjunctivitis (eye infection). 2. The following conditions require medical evaluation and a medical decision rendered regarding suitability for training prior to a student's participation in live firefighting training if he/she: a. has had or is currently being treated for high blood preasure, heart disease, or stress-related chest pains. b. has had surgery or a post-operative procedure within the last 10 days. c. is on limited/light duty, has had a tooth extracted within the last 72 hours. d. is out of height/weight or body fat standards. e. is unable to participate in or complete the Physical Readiness Test (PRT). f. is taking any prescription or over the counter medication. g. has hypotension (low blood pressure) or hypoglycemia (low blood sugar). h. has any open cuts, stitches, or new tattoos (within the past 72 hours). i. has nasal congestion or an ear, nose or throat infection. j. has a history of heat exhaustion or heat stroke. k. has not been briefed on necessary hydration procedures. l. has tested positive for either Sickle Cell Trait or G6PD. m. is sunburned, or has any other recent skin burns. n. has any petroleum-based/flammable products in their hair. o. has any prosthetic plastic or metal joints. p. has any other illness/injury not covered above. q. medical status has changed since initial command or last school screening. 3. For those students who are OUT OF STANDARDS IAW OPNAVINST 6110.1D the following applies: a. If student has no other medical problems that may prevent him/her from participating in the Physical Readiness Test (PRT), then a corpsman assigned to the firefighting school has the option of authorizing participation or referring the individual for further medical evaluation. b. If the student answers "yes" to any questions in Section B of OPNAV 6110/2 (Rev. 1-88), Risk Factor Screening/Physical Readiness Test Results, he/she must be referred to medical for evaluation. c. If the student is unable to participate in or complete the PRT, they must be referred to medical for further evaluation. 4. Students must have their medical records with them to attend this course. 5. All individuals shall be given a brief regardingthe proper hydration procedures. 6. When a student reports for training with a listed condition, the parent command is required to provide evidence of a medical evaluation specifically stating the student's medical suitability for firefighting training. Additionally, the parent command is to certify that all student's attending firefighting training are medically suitable for participation. This does not alleviate the school from conducting a complete medical screening utilizing CNET 6100/3 (7-95) questionnaire. The fire school corpsman shall conduct all medical screenings and shall consult with the Director of the Firefighting School in making the final decision regarding student suitability/unsuitability for participation in firefighting training.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141149** | C-603-9973 | U | F/A-18 AVIA HYD/STRUT MT I | 5 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, the Aviation Structural Mechanics (AM) will have sufficient knowledge of the Hydraulic Power System, Aircraft Structures, Aircraft Fuel, Landing Gear and related systems, and Flight Control Systems of the F/A-18 aircraft, including the applicable test equipment, support equipment (SE), applicable publications, and safety precautions, to perform, under close supervision, organizational maintenance in the squadron working environment. SCOPE This course covers: 1. Introduction to Aviation Maintenance Training 2. Aircraft Ground Handling, Inspection and Maintenance 3. Related Structural Subsystem and Corrosion 4. Introduction to Basic Hydraulics 5. Main Landing Gear and Related System 6. Nose Landing Gear and Related System 7. Landing Gear and Related Systems 8. Introduction to Electronic Flight Control System 9. Horizontal Stabilator, Back-up Mechanical Flight Control and Speed Brake Systems

**PRE-REQUISITE:** Graduate of AM "A" School or equivalent

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141153** | M-602-0153 | U | AV-8B AVIONICS TECHNICIAN ORGANIZATIONAL MAINT | 25.6 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

Description: Purpose: Upon completion of this course, the Aviation Electrician will have sufficient knowledge and the skills necessary to operate and maintain the Electrical, Lighting, Environmental, Fuel, Power Plant, Hydraulic, Landing Gear, Flight Controls, Stability Augmentation, Inertial Navigation, ADC, Pitot Static, Instrument Systems, Communication, Navigation, Identification, Electronic Countermeasures, Weapons, Targeting and Radar Systems under close supervision, in the squadron organizational maintenance department. Scope: This course covers Introduction, Aircraft Indoctrination & Safety; Electrical, Lighting & Environmental Control Systems; Pitot Static, ADC, INS; Hydraulic, Landing Gear & Related, Flight Control Systems, & SAAHS; Fuel & Power Plant Systems; Mission Computer System (MCS), Integrated Controls and Displays; Navigation and Identification Systems; Communication System; Electronic Countermeasures; Weapons Systems; Targeting Systems; and Radar System.

**PRE-REQUISITE:** Prerequisite Courses: Graduate of AT(A) School

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141154** | C-102-9980 | U | EA-18G O LEVEL MAINTENANCE | 5.8 | PTDW | Oak Harbor, WA 98278 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electronics Technicians will have sufficient knowledge/theory of Airborne Electronic Attack and Protection Systems of the EA-18G Aircraft to perform maintenance under close supervision, to include operation, testing and inspection techniques at the organizational level in a squadron working environment. SCOPE: This course covers Introduction to EA-18G Avionics to include the following systems: Electronic Attack Unit (EAU), AN/ALQ-218 Receiver System, AN/ALQ-99 Tactical Jamming System (TJS), Interference Canceling System (INCANS), Communication Countermeasures Set (CCS), and Multi-Mission Advanced Tactical Terminal (MATT).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141166** | C-555-0059 | U | CONFIGURATION MGT FOR ORGAN'L& INTERMED ACTIVITIES | 2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

To provide the student with training in the initiation and maintenance of required aircraft logbooks, associated Aeronautical Equipment Records and submission of required reports in support of the Naval Aviation Maintenance Program including OOMA, OMA and OIMA. Scope: Personnel currently filling or projected to fill a logs and records billet. Quality Assurance Representatives and civilian personnel directly responsible for aircraft logbooks.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141167** | C-555-0043 | U | INTER MAINT ACT(IMA) PRODUCTION CONTROL PROCEDURES | 1.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

The Intermediate Maintenance Activity Production Control Course is designed to provide Production Control personnel with the basic management objectives, techniques and requirements to execute the Production Control functions with in an Intermediate Maintenance Activity (IMA). The trainee upon completion of this course, should have a thorough understanding of the Naval Aviation Maintenance Program (NAMP) as it pertains to the IMA and the operation of the Naval Aviation Logistics Command Information System (NALCOMIS) Optimized operating system, as a management information and control system. Scope: Course provides Aviation Maintenance personnel with a thorough understanding of the NAMP and the operation of the NALCOMIS Optimized operating system as a management information and control system. The course content will include the following, using the NALCOMIS IMA Optimized operating system and in accordance with approved technical manuals and procedures. Administer the NAMP. Monitor the production effort of the IMA through the use of various NALCOMIS reports, ADHOC functions and inquires. Perform Maintenance Action approval, rejection and clearing processes. Perform Maintenance Action documentation. Perform Material Requisitioning approval or rejection. Monitor requisition status. Manage the IMA under Contingent Operations.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141168** | C-600-3210 | U | SENIOR ENLISTED AVIATION MAINTENANCE | 2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Senior Enlisted Aviation Maintenance Managers will have sufficient knowledge of the Naval Aviation Maintenance concept to successfully manage and direct, under limited supervision, organizational and intermediate level maintenance in an operational environment. Scope: This course will contain the following units of instruction: 1. Introduction, 2. Correspondence and manpower management, 3. 8800 Program management, 4. Quality Assurance management, 5. Maintenance Documentation management, 6. Material Asset Management, 7. Maintenance/Production Control Management.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P141169** | C-555-0007 | U | AERONAUTICAL TECHNICAL PUBLICATIONS LIBRARY MGMT | 0.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

To provide Central Technical Publication Librarians (CTPL's) with the knowledge and skills of the Aeronautical Publications Library (ATPL) and the Technical Publications Library Program to effectively manage a CTPL. Scope: This course provides the training necessary for enlisted personnel assigned to the CTPL. Training consists of instruction on managing the ATPL within the Quality Assurance Division and monitoring the Dispersed Technical Publications Library in the work center.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P141171** | C-602-7032 | U | USMC SE ELEC/REF | 11.4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Purpose; This track defines the minimum required courses leading to assignment of support equipment Electrical/Refrigeration Intermediate Maintenance. Scope; The following course are included: C-602-3272 MEP-009A/105 int maint., C-602-3278 env ctrl unit int maint., C-602-3279 A/M32C-17 int maint., C-602-3237 ASE MMG1A int maint., C-602-3228 NC-10B-1C int maint., C-602-3311 EPA CERT., C-602-3302 DA-675/MSM electrical dummy load int maint., C-602-3310 Moble facility int maint.

**PRE-REQUISITE:** C-602-2026 AS "A" school

**COURSE NOTES:**

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| **P141172** | C-602-7040 | U | USMC SE MECH | 6.4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Purpose; This track defines the minimum required courses leading to assignment of support equipment engine/gas turbine and related systems intermediate maintenance technician. Scope; The following required courses are included: C-602-3301 support equipment shore tractors and related int maint., C-602-3212 GTCP 100 engine and enclosures int maint., C-602-3232 aviation support equipment portable hydraulic power supply int maint., C-602-3235 A/S32K-1C/D weapons loader int maint., C-602-3305 hydraulic purifier (M-2) int maint., C-602-3315 A/S32A-30A aircraft towing tractor int maint., C-602-3316 MSU 200 nav air start unit engine and enclosure int maint.

**PRE-REQUISITE:** C-602-2026 AS "A" school

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141173** | N-602-0056 | U | RDME FBGLS RPR | 2 | PARJ | Jacksonville, FL 32212-0016 |

**ECL:** 70 **EIMET:** No

Purpose; Instruct the trainee in the application of techniques employed in the repair and maintenance of radomes and other fiberglass structures. Scope; 1. introduction: purpose and types of structures, tools and materials, storage of materials and safety precautions 2. Repair radomes and other fiberglass structures: use of molds and mold materials: use of impregnating resin cutting and fitting honeycomb: use of drying agents: repair thinwall radomes: major repairs: surface damage: apply neoprene coating.

**PRE-REQUISITE:** RATE AM, current paint physical, student must supply personal respirator with current fit test card.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141174** | N-701-0013 | U | A/C CORROSION | 1 | PARJ | Jacksonville, FL 32212-0016 |

**ECL:** 70 **EIMET:** No

To provide corrosion control personnel with the knowledge and understanding of the methods, techniques and procedures used in the detection, identification, treatment and prevention of aircraft corrosion, with special emphasis being placed on materials and procedures in a fleet environment. Scope; Utilizing classroom and on-the-job training methods, the students are trained in the latest methods, procedures and techniques used to detect, identify, treat and to take proper preventative measures to control aircraft corrosion. Further, the student is trained in the use of tools, equipment and materials related to corrosion control to include vacu-blast, the application of paint, sealants and preservatives.

**PRE-REQUISITE:** Current paint physical IAW COMNAVAIRLANTINST 4750.5C/COMNAVAIRPACINST 4750.4. Student must provide personal respirator with current fit test card.

**COURSE NOTES:**

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| **P141175** | N-701-0014 | U | A/C PAINT TCH UP | 2 | PARJ | Jacksonville, FL 32212-0016 |

**ECL:** 70 **EIMET:** No

To provide maintenance personnel with the practical experience in the proper methods and techniques of inspections, repair and refinishing of aircraft surfaces. Student is taught the importance of proper care and maintenance of paint equipment and the safety factors to be observed in the handling and storage of materials and equipment. Scope; The student is taught the proper care and use of painting equipment; application of materials; preparation and masking of surfaces; application of primers, decals and stecils; layout and application of aircraft markings and insignia. The most current technical manuals on aircraft maintenance and the course are a part of the training aids available to assist the student in self-improvement in performing paint, touch-up and insignia application.

**PRE-REQUISITE:** Current paint physical with isocyanates, personal respirator with current fit test

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141176** | N-701-0007 | U | AC/GSE WELD CERT | 8 | PARJ | Jacksonville, FL 32212-0016 |

**ECL:** 70 **EIMET:** No

To provide formal training, certification and necessary instruction in basic welding using the gas tungsten arc welding (GTAW) process on aluminum, steel alloys, stainless steel alloys and precipitating hardening nickel based alloys. Scope; Defines the above process and provides the students with the fundamentals including metallurgical, physical and mechanical properties of the basic metals and their alloys. Provides training in the welding requirements, preparations and procedures for the welding process above with actual hands-on training. Test welds are submitted to the Metallurgical lab for evaluation and testing.

**PRE-REQUISITE:** Vision 20/30 in both eyes or better

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141178** | N/A | U | OJT H-60 SERIES SPECIAL TRACK TRNG | 1 | PARJ | Jacksonville, FL 32212-0016 |

**ECL:** 70 **EIMET:** No

USN depot level maintenance training at Fleet Readiness Center Southeast (FRCSE) Jacksonville, FL. D-level maintenance training on H-60 series aircraft and related components and accessories, as well as various H-60 series aircraft systems and components assigned to FRCSE Jacksonville as designated repair point (DRP) for USN. Training provided as On the Job Training (OJT) on the USN processes and procedures used to check, test and repair configurations used by USN.

**PRE-REQUISITE:**

**COURSE NOTES:** All OJT scheduled is subject to change based on production workload and available resources. Physical Security requirements include 100% escort of FN students in a Naval Industrial Facility.

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|---|---|---|---|---|---|---|
| **P141179** | N/A | U | OJT P-3 SPECIAL TRACK TRNG | 1 | PARJ | Jacksonville, FL 32212-0016 |

**ECL:** 70 **EIMET:** No

USN depot level maintenance training at Fleet Readiness Center Southeast (FRCSE) Jacksonville, FL. D-level maintenance training on P-3 series aircraft and related components and accessories, as well as various P-3 series aircraft systems and components assigned to FRCSE Jacksonville as designated repair point (DRP) for USN. Training provided as On the Job Training (OJT) on the USN processes and procedures used to check, test and repair configurations used by USN.

**PRE-REQUISITE:**

**COURSE NOTES:** All OJT scheduled is subject to change based on production workload and available resources. Physical Security requirements include 100% escort of FN students in a Naval Industrial Facility.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141180** | C-646-1140 | U | P-3 ARMAMENT SYSTEMS ORGANIZATIONAL MAINTENANCE | 5.4 | PTDW | Oak Harbor, WA 98278 |

**ECL:** 70 **EIMET:** No

THIS TRACK DEFINES THE MINIMUM REQUIRED COURSES LEADING TO ASSIGNMENT OF P-3 ARMAMENT SYSTEMS ORGANIZATIONAL MAINTENANCE NEC AO-8319. SCOPE: THE FOLLOWING REQUIRED SEGMENT COURSES ARE INCLUDED: (C-600-3601) COMMAND INDOCTRINATION, (C-600-9573) P-3 INTEGRATED BASIC CORE ORGANIZATIONAL MAINTENANCE, (C-646-9571) P-3 ARMAMENT/ORDNANCE SYSTEM ORGANIZATIONAL MAINTENANCE, (C-646-3573) P-3 CONVENTIONAL WEAPONS LOADING.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141182** | C-102-9728 | U | AN/AQS-24A SYS | 4.8 | PTDV | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electronic Technicians will have acquired sufficient knowledge and skills of the AN/AQS-24A Mine Detecting System to perform, under supervision, organizational and intermediate maintenance in the squadron or AIMD working environment. SCOPE: 1. Organizational Level Maintenance Introduction, Operation and Testing of the AN/AQS-24A Mine Detecting Set 2. Mine Detecting Set Test Set AN/USM-711 Operation and Maintenance Procedures 3. Intermediate Level Maintenance Introduction, Operation and Testing of the AN/AQS-24A Mine Detecting Set

**PRE-REQUISITE:** PAYGRADES E1 RATE AT RATE AE

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141183** | N/A | U | AQS-24A AIRCREW OPERATOR TRAINING | 1 | PWEA | Norfolk, VA |

**ECL:** 80 **EIMET:** No

AQS-24A Airborne Mine Hunting System deployed on MH-53 aircraft. This course is classroom and lab (pilot and aircrew) training conducted at the AMCM Weapons System Training School (AWSTS) in Norfolk VA. Course is a customized version of the US Navy fleet course taught at the school. Special Notes: 1. Students will continue to related AQS-24A training at NSWC Panama City FL

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141184** | N/A | U | AQS-24A OPERATIONAL TRAINING FOR AIRCREW | 1.4 | PPFL | Panama City, FL |

**ECL:** 80 **EIMET:** No

AQS-24A MEDAL/Tactics and SNIUTT training for Airborne Mine Counter Measure (AMCM) mission.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141185** | N/A | U | AIRBORNE LASER MINE DETECTION SYS (ALMDS) AIRCREW | 2 | PPFL | Panama City, FL |

**ECL:** 80 **EIMET:** No

Airborne Laser Mine Detection System (ALMDS) Aircrew Operator Training as part of Airborne Mine Counter Measure (AMCM) mission equipment acquisition. Part of the training pipeline that includes system training in Norfolk VA, Panama City FL, and in country.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141186** | N/A | U | AIRBORNE LASER MINE DETECTION SYST (ALMDS) MAINT | 1 | PPFL | Panama City, FL |

**ECL:** 80 **EIMET:** No

Airborne Laser Mine Detection System (ALMDS) Maintenance Training as part of Airborne Mine Counter Measure (AMCM) mission equipment acquisition. Part of the training pipeline that includes system training in Norfolk VA, Panama City FL, and in country.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141187** | N/A | U | AQS-24A PRE-CADRE TRAINING | 2 | PPFL | Panama City, FL |

**ECL:** 80 **EIMET:** No

At-sea Mine Counter Measure training based out of Panama City FL. Student teams put previous AQS-24A classroom training to practice in operational environment to develop required mission skills. Part of Airborne Mine Counter Measure (AMCM) mission equipment acquisition.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141189** | C-646-9974 | U | F/A-18 STORES MGT SYS (CAREER) O-LEVEL MAINT | 1 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Ordnancemen, will have sufficient knowledge of the Stores Management and Weapon Control Systems of the F/A-18 Aircraft, including testing and troubleshooting beyond BIT troubleshooting, fault descriptions, SMS cautions and advisories, SMS maintenance codes, and applicable Safety Precautions to perform maintenance under minimuml supervision in the organizational level working environment. SCOPE This course content will include the following Units of Instruction: 1. Introduction to the Stores Management System Career Course. 2. Theory of Operation.

**PRE-REQUISITE:** C-646-9974 recommended. US NAVY RATE: AO, AVIATION ORDNANCE

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141191** | C- 4E-0010 | U | AVIATION ORDNANCE OFF CAREER PROGRESSION LEVEL I | 6 | PNGW | Milton, FL 32570-6002 |

**ECL:** 70 **EIMET:** No

A structured comprehensive training program to standardize and expand upon the level of expertise of senior enlisted (E6-E9) and newly commissioned LDO's and CWO's. This course, consists of technical, administrative, and safety oriented instruction which will significantly enhance the professionalism of successful graduates. This instruction covers a wide range of topics designed to provide the student with general knowledge of various areas an Ordnance Officer may manage in their career.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141192** | C- 4E-0011 | U | AVIATION ORDNANCE OFF CAREER PROGRESSION LEVEL II | 2 | PNGW | Milton, FL 32570-6002 |

**ECL:** 70 **EIMET:** No

Level II is a two week course with instruction targeted at Officers and Senior Enlisted (E6-E9) personnel who are at their mid-career point. Specific training in the areas of Intermediate Maintenance Activity, Weapons Department, Engineering Department, Supply Department, Maintenance Department, Ordnance/Maintenance/Supply Teamwork, Productivity/Performance Improvement, Operations Department, Air Department, VERTREP/CONREP Procedures, and Safety are taught

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141193** | C- 4E-0012 | U | AVIATION ORDNANCE OFF CAREER PROGRESSION LEVEL III | 2 | PNGW | Milton, FL 32570-6002 |

**ECL:** 70 **EIMET:** No

Level III is a two week course with instruction intended for Officers and Senior Enlisted (E8-E9) personnel who are at their upper career point. Focus will be placed on job related functions that are associated with assignment to ordnance management billets, (i.e. TYCOMS, FLTCINC's Naval Ordnance Safety and Security Activity (NOSSA), Naval Ammunition Logistics Center (NALC)). This instruction covers a wide range of topics such as Non-Nuclear Expendable Ordnance Management Responsibilities, Policies and Procedures, Ordnance Fair Share Distribution Policy, Ships Cargo Load, Mission Load, Afloat Allowances, Ammunition Inventory Control, Retrograde Rollback and Fleet Return Material, Integrated Logistics Support (ILS), Readiness, Supportability, and Safety.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141194** | C-102-9964 | U | F/A-18 AVIONICS SYS (INITIAL) ORGANIZATIONAL MAINT | 7.4 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

F/A-18 AVIONICS SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE Description: Upon completion of this course, Aviation Electronics Technicians will have sufficient knowledge of the Fire Control Systems, Communication Systems, Navigation Systems, Identification Systems, Countermeasures Systems and the Avionics integration of the F/A-18 aircraft, including applicable test equipment, support equipment, technical publications, and safety precautions, to perform, under close supervision, organizational maintenance in the squadron working environment. Scope: This course covers: Introduction, Technical Publications, Maintenance Data Reporting System, Electrostatic Discharge, Tool Control Program, and Aircraft Familiarization; Multipurpose Display Group (MDG) and Digital Map Set (DMS); Mission Computers (MC), Avionics Multiplex Bus (AMUX), Integrated Communication Navigation Identification (ICNI); Maintenance Status Display and Recording System (MSDRS), Flight Incident Recorder and Monitor System (FIRAMS), and Deployable Flight Incident Recorder Set (DFIRS); Very High Frequency/Ultra High Frequency (VHF/UHF) Communication, Secure Speech and Automatic Direction Finding (ADF) Systems; Electronic Altimeter (RADALT), Identification Friend or Foe (IFF), and Combined Interrogator Transponder (CIT);Data Link (D/L), Radar Beacon (RDR BCN), Instrument Landing System (ILS), Tactical Air Navigation (TACAN), and Global Positioning System (GPS); Electronic Countermeasures (ALQ-126B/ALQ-165), Countermeasures Dispensing (ALE-39/ALE-47), Countermeasures Warning and Control (ALR-67), and Interference Blanker (IBS) Systems; Laser Detector Tracker/Strike Camera (LDT/SCAM), Navigation Forward Looking Infrared (NAVFLIR), Video Recording System (VRS), and Cockpit Video Recording Set (CVRS); Radar System (APG-65/APG-73), Boresighting and Electronic Boresight Compensation Assembly (EBCA); Stores Management System (SMS), and Air to Ground (A/G)/Air to Air (A/A) Weapons, Weapons Fuzing, Jettison System, and Final Practical.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141195** | C-602-3871 | U | F/A-18 WIRE BUNDLE & CONNECTOR REPAIR ORG MAINT | 2 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, organizational level technicians will have the skills and knowledge necessary to perform wire and electrical connector repair on assigned F/A-18 electrical components, under minimal supervision, to include knowledge of the Tektronix 1502-4, Time Domain Reflectometry (TDR), test set, in an organizational working environment. Scope: This course covers Introduction to F/A-18 Wire Bundle/Connector Repair; F/A-18 Wire Bundle/Connector Repair; Time Domain Reflectometer/Radio Frequency Connector Repair.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141196** | C-102-3870 | U | F/A-18 INFARED DETECTION SYS ORGANIZATIONAL MAINT | 2 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electronics Technicians will have sufficient knowledge of the F/A-18 Infared Detection Systems, including system operation, testing and troubleshooting, repair procedures, publications, and applicable safety precautions to perform Organizational Level Maintenance. These journeyman level skills are to be performed under minimum supervision, in the squadron working environment, afloat and ashore. Scope: The course content will include the following Units of Instruction: 1. F/A-18 LITENING Advanced Technology (AT) Targeting Pod Operation 2. F/A-18 LITENING Advanced Technology (AT) Targeting Pod Maintenance 3. F/A-18 Advanced Targeting Forward Looking Infrared (ATFLIR) System Operation 4. F/A-18 Advanced Targeting Forward Looking Infrared (ATFLIR) System Maintenance.

**PRE-REQUISITE:** Trainee must be an Aviation Electronics Technician E-1 or higher, who has completed the Laser Safety Fundamentals course (T-MASL: P141812, C-602-3770).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141197** | E-646-0647 | U | F/A-18 CONVENTIONAL RELEASE SYSTEM TEST | 0.8 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

To train personnel in the proper procedures, publications, special tools and test equipment necessary to perform safe and reliable conventional release system checks. To train personnel to safely perform all conventional weapons release system tests applicable to the F/A-18 aircraft. Scope: This course covers the training necessary to enable ordnance related personnel to reliably perform the release and control system checks on the F/A-18 aircraft. Classroom training consists of academic instruction in the proper use of appropriate test equipment and loading publications and checklists. Practical training consists of supervised system checks on the F/A-18.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141198** | C-602-3320 | U | A/S 32M-19 HEAVY MAINTENANCE CRANE (HMC) | 2 | PTDN | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Support Equipment Technicians will have sufficient knowledge/skills to perform, under limited supervision, Intermediate Maintenance on the A/S32M-19 Heavy Maintenance Crane (HMC) in the AIMD and MALS working environment. SCOPE: The training includes use of publications and safety procedures, component identfication / description, preoperational checkout procedures, periodic maintenance procedures, component adjustment and alignment procedures and troubleshooting procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141199** | C-602-3233 | U | A/M27T-14/15 HYDRAULIC POWER SUPPLY (HPS) | 1 | PTDN | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Support Equipment Technicians will have sufficient knowledge/skills to perform under limited supervision, Intermediate Maintenance on the Electric Hydraulic Power Supply (EHPS) A/M27T-14 and Diesel Hydraulic Power Supply (DHPS) A/M27T-15 in the AIMD working environment. SCOPE: Use of publications and safety procedures, operational checkout procedures, periodic maintenance procedures, component removal, repair and replacement procedures, use of power tools and test equipment and troubleshooting procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141200** | C-602-3317 | U | A/S32A-45 MID-RANGE TOW TRACTOR (MRTT) | 1.4 | PTDN | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Support Equipment Technicians will have sufficient knowledge and skills, including operation, testing, maintenance, troubleshooting and repair procedures, and perform under supervision, intermediate maintenance on the A/S32A-45 Mid-Range Towing Tractor in an intermediate maintenance and MALS environment. SCOPE: Use of publications and safety procedures, operational checkout procedures, periodic maintenance procedures, component removal, repair and replacement procedures, use of power tools and test equipment and troubleshooting procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141207** | C-601-4408 | U | T700-GE-401/401C ENGINE INTER MAINT COURSE 1ST | 5 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Train maintenance personnel on T700-GE-401/401C engine intermediate maintenance procedures. Scope: vUpon completion of this course, Aviation Machinist Mates will have acquired sufficient skill and knowledge of the T700-GE-401/401C engine, system analysis, troubleshooting techniques, borescoping procedures, and maintenance procedures to perform first degree intermediate maintenance under limited supervision at the Imtermediate Maintenance Activity (IMA).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141214** | C-601-3627A | U | V-22 BASIC MECHANICS (INITIAL) ORGL MAINT COURSE | 1 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, V-22 Aircraft Mechanics will have sufficient knowledge and skills, including Naval and Marine Corps Aviation History, Naval Aviation Maintenance Programs, Aircraft Hardware, Torque And Safetying Procedures, and Aircraft Handling/Maintenance Procedures, to perform under supervision, organizational maintenance in the squadron working environment. SCOPE: Instruction includes naval/marine corps aviation history/maintenance programs, and aircraft handling/maintenance procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141215** | C-601-3628A | U | V22 ECS (INITIAL) ORG MAINT COURSE | 2 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, V-22 Mechanics will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the V-22 Environmental Control Systems, in the squadron working environment. SCOPE: Instruction includes introduction to the V-22 environmental control systems, air-conditioning system, and onboard oxygen generating system/onboard inert gas generating.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141230** | C-555-0046 | U | NALC OMA QA ADMIN | 0.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

To provide Organizational Maintenance Activity Quality Assurance Representatives with the knowledge and skills of the Naval Aviation Maintenance Program (NAMP) and NALCOMIS Legacy OMA and Optimized (OOMA) to effectively manage the Quality Assurance Division. Topics will include: Naval Aviation Maintenance Program (NAMP), Quality Assurance Responsibilities, Work Center Audits/Special Audits, Naval Aviation Logistics Command Management Information System Optimized for OMA (OOMA) Scope: To provide Organizational Maintenance Activity Quality Assurance Representatives with the knowledge and skills of the Naval Aviation Maintenance Program (NAMP) and NALCOMIS Legacy (OMA) and Optimizzed for OMA (OOMA) to effectively manage the Quality Assurance division. Topics will include: Naval Aviation Maintenance Program (NAMP), Quality Assurance Responsibilities, Work Center Audits/Special Audits, Naval Aviation Logistics Command Management Information System Legacy for OMA, Naval Aviation Logistics Command Management Information System Optimized for OMA (OOMA). Prerequisite: Officer, civilian and senior enlisted personnel permnantly assigned to the Quality Assurance Division personnel selected/designated as Collateral Duty Inspectors (CDIs) or Collateral Duty Quality Assurance Representatives (CDQARs).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141231** | C-601-3310 | U | AH-1Z/UH-1Y AIRFRAMES ORGANIZATIONAL MAINT | 3.8 | PTDU | Camp Pendleton, CA 92055-5218 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, Aviation Airframes Mechanics will have acquired sufficient knowledge and skills of the AH-1Z/UH-1Y Airframes systems to include operation, troubleshooting, component removal, inspection, and reinstallation procedures to perform, under close supervision, organizational maintenance in the squadron working environment. SCOPE: 1. General Maintenance Procedures and Safety Precautions 2. Aircraft Overview 3. Blade Fold, Ground Handling and Mooring Familiarization 4. Crewstation Management System Familiarization 5. Flight Control Systems 6. Automatic Flight Control System 7. Auxiliary Power Unit 8. Hydraulic Systems 9. Rotor Brake Subsystem 10. Acrylic Panels, Canopy Doors and Windows 11. Rivets and Seals 12. Airframe Inspections 13. Advanced Composite Materials Repair

**PRE-REQUISITE:** P141618, AM A1 CORE, C-603-0175/2515 (NATTC Pensacola FL), 6.8 wks

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141250** | C-601-3626A | U | V-22 POWERPLANT REL SYS (INITIAL) ORG MAINT CRS | 6 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, V-22 Mechanic will have sufficient knowledge/skills, including Utility, Proprotor, Proprotor Track and Balance, Drivetrain, Powerplant, Airborne Auxiliary Power Unit, Aircraft Fuel, and Blade Fold/Wing Stow Systems, to perform, under supervision, organizational maintenance on the V-22, in the squadron working environment afloat and ashore. SCOPE: Instruction includes introduction to powerplant/related systems, powerplant/related systems operation/maintenance, proprotor system operation/maintenance, drivetrain system operation/maintenance, airborne auxiliary power unit, aircraft fuel systems operation/maintenance, and blade fold/wing stow system operation/maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141253** | C-603-3626A | U | V-22 HYDRAULIC SYSTEMS (INITIAL) ORG MAINT COURSE | 4.6 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course Airframes Technician will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the V-22 in the squadron working environment afloat and ashore. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 HYDRAULIC SYSTEM 2. HYDRAULIC POWER/CONTROL SYSTEMS 3. FLIGHT CONTROL HYDRAULIC ACTUATORS 4. LANDING GEAR SYSTEMS 5. CARGO RAMP/DOOR SYSTEMS 6. CARGO WINCH SYSTEMS 7. HYDRAULIC ENGINE START SYSTEM 8. ENGINE AIR PARTICLE SEPARATOR (EAPS) SYSTEM 9. ROTOR BRAKE SYSTEM 10. BLADE FOLD/WING STOW SYSTEM 11. HYDRAULIC TUBE REPAIR

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6156, Tiltrotor Airframe Mechanic, MV-22

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141259** | C-603-3627A | U | V-22 AIRFRAMES (INITIAL) ORG MAINT COURSE | 6 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Airframe Technician will have sufficient knowledge/skills, including operation, rigging, damage assessment and composite repair, to perform, under supervision, organizational maintenance on the V-22 in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE 2. STRUCTUAL ASSEMBLIES AND MAINTENANCE 3. COMPOSITE REPAIR

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6156, Tiltrotor Airframe Mechanic, MV-22

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141262** | C-102-3627A | U | V-22 AVIONICS SYSTEM (INITIAL) ORG MAINT COURSE | 2.8 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

V-22 AVIONICS SYSTEM (INITIAL) ORG MAINT COURSE Course Upon completion of this course, Avionics Technicians will have sufficient knowledge/skills of the Communication and Navigation/Identification/Electronic Systems of the V22 aircraft, including system analysis and troubleshooting techniques, to perform, under close supervision, organizational maintenance in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction to the V-22 Communication/Navigation/ Identification/Electronic Countermeasures Systems. 2. V22 Communication and Identification Systems; Operation, Maintenance Procedures and Testing/Troubleshooting 3. V22 Navigation Systems; Operation, Maintenance Procedures and Testing/Troubleshooting 4. Night Vision System and V22 Countermeasures Systems; Operation, Maintenance Procedures and Testing/Troubleshooting. The course content will include the following Units of Instruction: 1. Introduction to the V22 Communication/Navigation/ Identification/Electronic Countermeasures Systems. 2. V22 Communication and Identification Systems; Operation, Maintenance Procedures and Testing/Troubleshooting 3. V22 Navigation Systems; Operation, Maintenance Procedures and Testing/Troubleshooting 4. Night Vision System and V22 Countermeasures Systems; Operation, Maintenance Procedures and Testing/Troubleshooting.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141264** | C-102-3630 | U | V-22 ELECTRONIC WARFARE SYSTEM (INITIAL) ORG MAINT | 0.8 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, Aviation Electrical/Electronic Technicians will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the Electronic Warfare Systems, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE ELECTRONIC WARFARE SYSTEM 2. AN/APR-39A (V) 2 RADAR DETECTION SYSTEM 3. AN/AAR-47 (V) 2 MISSILE WARNING/LASER DETECTING SET 4. AN/ALE-47 COUNTERMEASURE DISPENSING SYSTEM

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6156, Tiltrotor Airframe Mechanic, MV-22

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141266** | C-600-3183 | U | AIRCRAFT CORROSION | 1 | PTDV | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, the trainee will have sufficient knowledge/skills to apply the latest methods, procedures, and techniques used to detect, identify, treat, and prevent corrosion. The trainee will be trained in the use of tools, equipment, and material related to corrosion control, to include abrasive blasting and the application of paints, sealants and preservatives. Scope: The course content will include the following Units of Instruction: 1. Introduction to Aircraft Corrosion, Preventative Maintenance, Detection, Surface Preparation and Painting. 2. Emergency Reclamation. Prerequisites: Students shall be qualified to wear a respirator in accordance with OPNAVINST 5100.23 (series) and have a current paint physical in accordance with applicable BUMED instruction.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141311** | C-102-3629A | U | V-22 FORWARD LOOKING INFRARED (INITIAL) ORG MAINT | 0.6 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Aviation Electrical/Electronic Technicians will have sufficient knowledge/skills, including operation, testing, troubleshooting and repair procedures, to perform, under supervision, organizational maintenance on the V-22 Forward Looking Infrared System, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 FORWARD LOOKING INFRARED 2. AN/AAS-27 FORWARD LOOKING INFRARED SYSTEM

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6156, Tiltrotor Airframe Mechanic, MV-22

**COURSE NOTES:**

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| **P141317** | C-102-3626A | U | V-22 ELECTRICAL SYSTEMS (INITIAL) ORG MAINT COURSE | 7.8 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Aviation Electrical Technician will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the Electrical Systems, in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. INTRODUCTION TO THE COURSE AND THE V-22 ELECTRICAL SYSTEMS 2. ELECTRICAL POWER 3. LIGHTING SYSTEM 4. FUEL SYSTEM 5. POWER PLANT AND RELATED 6. FIRE PROTECTION SYSTEMS 7. HYDRAULIC AND RELATED SYSTEMS 8. ENVIRONMENTAL SYSTEMS 9. BLADE FOLD AND WING STOW SYSTEMS 10. MISCELLANEOUS SYSTEMS 11. VIBRATION STRUCTURAL LIFE ENGINE DIAGNOSTICS/ENGINE MONITORING SYSTEMS

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6156, Tiltrotor Airframe Mechanic, MV-22

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141321** | C-602-3626B | U | V-22 AIRCRAFT WIRING SYS FAULT DIAG REPAIR ORG MT | 1.6 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the V -22 Communications/Navigation/Electrical Systems Technicians will have sufficient knowledge and skills to perform testing, troubleshooting, and repair procedures on V-22 wiring, data bus, and wiring integrated assemblies. These apprentice level skills are to be performed under supervision following all safety precautions within the squadron working environment, afloat and ashore. SCOPE: Instruction includes introduction to the course and V-22 wire/connector repair, basic/conventional V-22 specific wire/connector repair skills, and test equipment/wiring systems fault diagnostics/laboratories.

**PRE-REQUISITE:** IMS Trainee should be a graduate of V~22 Aircraft Familiarization Course (C-600-3626A, P119078) Trainee should be a graduate of Aviation Electrician's Mate Course Class AI (C-602-2039, P131380)

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141325** | C-602-3126 | U | AECTS OP/MAINT I | 4 | PTDU | Camp Pendleton, CA 92055-5218 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Intermediate Level Aviation Electricians will have sufficient knowledge/skills including, operation, component testing, and test stand troubleshooting and repair procedures, to perform under supervision, intermediate maintenance on the A/S37T-21 Aircraft Engine Components Test Stand (AECTS) in the AIMD working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction to the A/F37T-21 Aircraft Engine Componnent Test Stand a. Introduction to the Course b. Introduction to AECTS Publications c. Electrostatic Discharge (ESD) Coantrol Program 2. AECTS Familiarization AECTS Description and Subassemblies Component Description 3. AECTS Computer Software Program 4. Aircraft Engine Components Setup and Unit Under Test (UUT) Testing Procedures a. Preliminary UUT Connection and Pre-Run Checkout Procedures b. Air Cooled Generator Setup and UUT Procedures c. Variable Speed Constant Frequency (VSCF) Generator Setup and UUT Testing Procedures d. Oil Cooled Generator Setup and UUT Procedures 5. AECTS Theory of Operation, Diagnostics and Testing and Troubleshooting a. AECTS Drive Motor Base Assembly b. AECTS Control Console and Hydraulic Assembly c. AECTS AC/DC Load Bank d. AECTS DC Power Supply e. AECTS Testing and Troubleshooting.

**PRE-REQUISITE:** Graduate of AV (Class A1) School or equivalent. Obligated Service: 12 Months. Rating(s) Eligible: U.S. Marine Corps personnel "AE" Rating personnel. RATE AE

**COURSE NOTES:**

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| **P141326** | C-555-2015 | U | IMA DBA/A P/L | 8.4 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

NALCOMIS AVIATION MAINTENANCE IMA DATA BASE ADMINISTRATOR / ANALYST PIPELINE PURPOSE: SEGMENT COURSES ARE: NALCOMIS / ANALYST CORE C-555-2014 (3989) IMA DBA/A OPTIMIZE C-555-2017 (640X)

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141327** | C-100-0056 | U | MARINE AVIONICS (MV) APPRENTICE TECH TRNG (ATT) | 4.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the Avionics rating. Trainees will have access to the knowledge and skills associated with the electricity electronics. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices and other associated devices and sub-systems. SCOPE: Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduced to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P141328** | C-690-3210 | U | F/A-18 T-20 / STS P/L | 6.2 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

This track defines the minimum required courses leading to the assignment of F/A-18 Aircraft Hydraulic Components Intermediate Maintenance NEC AM-7227. SCOPE: C-690-3212 C-602-4869 SKILL AWARDS: For Path 1, MC MOS 6062 IMA HYD EFF DATE: 04-OCT-2011 For Path 1, NEC 7227 A/F-27T-10 AND (STS) OPERATOR/MAINTAINER EFF DATE: 01-JUN-2010 For Path 2, MC MOS 6062 IMA HYD EFF DATE: 04-OCT-2011 For Path 2, NEC 7227 A/F-27T-10 AND (STS) OPERATOR/MAINTAINER EFF DATE: 09-AUG-2011

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141329** | C-690-3212 | U | A/F 27T-10 HCTS | 2.8 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Structural Mechanics will have sufficient knowledge and skills, including operational and test procedures to perform intermediate maintenance on the A/F 27T-10 Hydraulic Component Test Stand. These journeyman level skills are to be performed under limited supervision following all safety precautions in the intermediate level maintenance working environment, afloat and ashore. SCOPE: The course content will include the following Units of Instruction: 1. A/F27T-10 Hydraulic Component Test Stand Familiarization 2. Periodic Maintenance 3. A/F 27T-10 Hydraulic Component Test Stand Basic Electricity Review. 4. A/F 27T-10 Hydraulic Component Test Stand Systems and Theory of Operation. 5. A/F 27T-10 Hydraulic Component Test Stand Electrical Schematic Operation. 6. A/F 27T-10 Hydraulic Component Test Stand Aircraft Component Testing.

**PRE-REQUISITE:** RATE AM

**COURSE NOTES:**

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| **P141330** | C-602-4869 | U | STS OPER MAINT | 3.4 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Structural Mechanics will have sufficient knowledge and skills, including operational and test procedures to perform intermediate maintenance on the Servocylinder Test Station, and applicable Weapons Repairable Assemblies. These journeyman level skills are to be performed under limited supervision following all safety precautions in the intermediate maintenance working environment, afloat and ashore. SCOPE: The course content will include the following Units of Instruction: 1. Introduction and Familiarization, 2. Basic Maintenance and Troubleshooting of the Servocylinder Test Station, 3. Fly by Wire Fundamentals, 4. Operating Procedures of the Servocylinder Test Station, and 5. Servocylinder Verification Tests

**PRE-REQUISITE:** RATE AM

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141338** | C-198-3626A | U | V-22 COCKPIT MANAGEMENT SYS (INITIAL) ORG MAINT | 2.4 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, the Aviation Electrical/Electronic Technicians will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the V-22 Cockpit Management System, in the squadron working environment afloat and ashore. SCOPE: Instruction includes introduction to the course/the cockpit management system, control/display system, advanced mission computer, data processing system, interface units/flight incident recorder, heads up display system, and control/display system.

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6326, Aircraft Avionics Technician, V-22

**COURSE NOTES:**

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| **P141339** | C-198-3628A | U | V-22 FLIGHT CONTROL SYSTEMS (INITIAL) ORG MAINT | 3.4 | PHMJ | Jacksonville, NC 28545-1036 |

**ECL:** 75 **EIMET:** No

Upon completion of this course, aviation Electrical/Electronic Technicians will have sufficient knowledge/skills, including operation, testing, troubleshooting, and repair procedures, to perform, under supervision, organizational maintenance on the Flight Control System, in the squadron working environment afloat and ashore. SCOPE: Instruction includes introduction to the V-22 flight control system, cyclic control system, thrust/power control system, yaw control system, flight control system controls/displays, flight control sensing system, flight control processing, and flight control hydraulic actuators.

**PRE-REQUISITE:** Recommended Skills: (Marine Corps) MOS-6326, Aircraft Avionics Technician, V-22

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141369** | C-603-3191 | U | A/C NDI TECH CLASS C1 | 14.8 | PNTP | Penascola, FL 32508-5113 |

**ECL:** 75 **EIMET:** No

To train USN Aviation Structural Mechanics (Structures), and Marines MOS 6092 (E4 through E6), to perform aircraft nondestructive inspections, without direct supervision, afloat and ashore under all readiness conditions. Curriculum includes: theory, principles, and performance of: liquid penetrant, magnetic particle, eddy current, ultrasonic, radiographic, and composite material NDI methods and radiation safety procedures. The course stresses compliance with current NDI publications, specifications, responsibilities and radiation safety.

**PRE-REQUISITE:**

**COURSE NOTES:** NOTE: MUST COMPLETE A PREPLACEMENT RADIATION MEDICAL EXAM AS PRESC. BY NAVMED P-5055. INCLUDES MED. HISTORY, THOROUGH PHYSICAL EXAM, COMPLETE BLOOD LINE STUDY AND URINALYSIS. NO WAIVERS. Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141412** | C-603-3868 | U | ADV COMPOSITE MTRL REPAIR | 4 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Aviation Structural Mechanic (AM) will perform, under supervision, repairs to advanced composite materials in the AIMD working environment. This course content will include the following Units of Instruction: 1. Introduction to Advanced Composite Materials Repair 2. Evaluation and Repair Criteria 3. Repair Procedures and Processes

**PRE-REQUISITE:** Female Non-Pregnancy Chit (To be administered in Week 1 of training). Graduate of AM A School. Respirator Physical Required. Security clearance may vary by location based upon area/building in which taught. Contact Lens NOT AUTHORIZED.

**COURSE NOTES:**

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| **P141428** | A-100-0073 | U | MICRO ELECT REPAIR(AVIA) | 1.8 | PNAB | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

Provides maintenance personnel with sufficient knowledge and skills to perform microminiature electronics repair to multi-layer and flexible printed wiring boards, remove welded lead components, illuminated plastic panel repair, remove and install surface mounted components, and perform station maintenance utilizing a microminiature repair station without supervision, for certification as a microminiature technician in the 2M program. Includes 2M station familiarization, 2M micro station preventive maintenance, multi-layer repair, flexible conductor repair, welded lead repair, plastic panel repair, soldering microminiature connections and surface mounted technology.

**PRE-REQUISITE:** Miniature Electronic Repair Course (A-100-0072) must be completed prior to class convening. NOTE: Two CDPs applicable to this training at FLETRACEN Norfolk. CDP 439D P141428) is controlled by NAVAIR (Aviation side - controls 3 seats in the class) and . CDP 8706 is controlled by NAVSEA (Surface side - controls 5 seats in the class). Both CDPs make up one class convening.

**COURSE NOTES:**

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| **P141515** | C-600-9889 | U | AV-8B AIRCRAFT MECH ORG MT | 9 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

AV-8B AIRCRAFT MECHANIC ORGANIZATIONAL MAINTENANCE Upon completion of this course, the Aircraft Mechanics will have sufficient knowledge of Fuel and Power Plants Systems of the AV-8B aircraft, including system analysis and troubleshooting, to perform, under close supervision, organizational maintenance in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction 2. AV-8B Aircraft Fuel Systems 3. AV-8B Engine and Related Systems 4. AV-8B Aircraft and Engine Servicing, Maintenance, Inspections, and Plane Captain Duties. PREREQUISITES: OTHER=Graduate of AD (A) school

**PRE-REQUISITE:** Must be a graduate of AD A-school

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141517** | C-602-9888 | U | AV-8B A/C SAFE EQ MECH OMA | 6 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, the Safety Equipment Mechanic will have sufficient knowledge and the skills necessary to operate and maintain the Safety Equipment and Environmental Control Systems, under close supervision, in the squadron organizational maintenance department. SCOPE: This course covers: 1. Introduction, Aircraft Indoctrination and Safety 2. Cabin Cooling and Defog, and Cabin Pressurization Systems 3. Forward Avionics Cooling, Canopy Seal/Anti-G and On-Board Oxygen Generating Systems 4. Rear Equipment Cooling System and Scheduled Maintenance 5. Waveguide Pressurization and Radar Liquid Cooling Systems 6. Canopy and Ejection Seat Systems

**PRE-REQUISITE:** Graduate of AM(E) School or equivalent and OTHER=Security clearance may vary by location based upon area/building in which taught. See annual schedule of courses for a particular location.

**COURSE NOTES:**

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| **P141521** | C-646-9888 | U | AV-8B A/C ORD TECH ORG | 4 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

MCMOS 6531 AIRCRAFT ORDNANCE TECHNICIAN EFF DATE: 20-JUN-2000 x PURPOSE: Upon completion of this course, the AV-8B Aviation Ordnance Technician will have sufficient knowledge and the skills necessary to operate and maintain the AV-8B Armament and Gun Systems, under close supervision, in the squadron organizational maintenance department. SCOPE: The course content will include the following Units of Instruction: 1. Introduction, Aircraft Indoctrination and Safety 2. Armament Systems Operational and Maintenance Procedures 3. Electronic Countermeasures and Gun Systems PREREQUISITES: OTHER=Graduate of AO (A) school or equivalent. (Security clearance may vary by location based upon area/building in which taught. See annual schedule of courses for a particular location.) and RATE=AO

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P141569** | C-601-3893 | U | AV-8B GAS TURB INTERM MAIN | 12 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Intermediate Maintenance Power Plant Mechanics will have sufficient knowledge/theory of the F402-RR-406A, F402-RR-408A and MK.4 CR00305 GTS to perform, under close supervision, intermediate maintenance in the MALS/AIMD working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction 2. Introduction to the F402-RR-408A 3. Introduction to the MK.4 GTS

**PRE-REQUISITE:** Graduate of AD (A) school or equivalent

**COURSE NOTES:**

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| **P141585** | C-646-3893 | U | AV-8B CONV WEAPONS LOADING | 2.6 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Ordnance Technicians will have sufficient knowledge/skills to perform Weapon Systems Functional Release and Control Checks, Weapon Inspections, Loading/Downloading Procedures, Arming/Dearming Procedures, and Gun Jam Clearing Procedures, under close supervision, in the squadron working environment. SCOPE: The course content includes the following Units of Instruction: 1. Introduction to AV-8B Conventional Weapons Loading 2. AV-8B 25MM Gun Loading/Downloading and Gun Jam Clearing 3. AV-8B Peculiar Airborne Weapons Description and Airborne Weapons Support Equipment 4. AV-8B Weapons Systems Release and Control Check (S) 5. AV-8B Conventional Weapons Loading/Downloading PREREQUISITES: OTHER=Graduate of AO(A) School or Equivalent and RATE=AO

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141599** | C-603-9890 | U | AV-8B AIRFRAMES INTEG O/M | 10 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, AV-8B Aircraft Airframes Mechanics will have acquired sufficient knowledge of the Hydraulic Systems, Structures, Landing Gear and related systems, Flight Control Systems, and the skills necessary to perform, under close supervision, organizational maintenance in the squadron working environment. SCOPE: The course content will include the following Units of Instruction: 1. Introduction 2. Airframes Systems 3. Hydraulic Systems 4. Flight Control Systems 5. Aircraft Practical 6. Landing Gear Systems

**PRE-REQUISITE:** GRADUATE OF AM(A) SCHOOL. And RATE=AM

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141618** | C-603-0175 | U | AM A1 CORE | 6.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides Navy and Marine Corps personnel with the basic knowledge and skills in the field of Aviation Structural Mechanics (Hydraulics and Structures). This knowledge will enable them to perform as maintenance technicians at aviation activities, both afloat and shore, under all operating conditions with appropriate supervision. Indoctrination and introduction, technical publication, source documents, corrosion control procedures, repair and inspection of simulated structural assemblies, repair procedures for nonmetallic materials and basic hydraulics fundamentals.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141619** | C-603-0176 | U | AM O LEVEL STRND | 1.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

This course is designed to provide Navy and Marine Corps personnel with the basic knowledge and skills in the field of Aviation Structural Mechanic (Hydraulics and Structures). This knowledge will enable them to perform as maintenance technicians at aviation organizational activities, both afloat and shore, under all operating conditions with appropriate supervision. Indoctrination and introduction, technical publications, source documents, corrosion control procedures, line maintenance and basic hydraulic fundamentals.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141620** | C-601-2011 | U | AD - MACHMATE COMMON CORE | 3 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides selected U.S. Navy and Marine Corps enlisted personnel the basic preparatory knowledge and skills training to perform in the field of Aircraft Power Plant, Related Systems Maintenance, and Safety. This knowledge will enable personnel to perform as an apprentice Aviation Machinist's Mate at fleet and shore activities. The course covers: general information in the field of Aviation Machinist's Mate rating, aviation safety, maintenance documentation, technical publications, theory and operation of aircraft power plants and related systems.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141621** | C-601-2012 | U | AD - HELO FUNDAMENTALS | 1.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides selected U.S. Navy and Marine Corps enlisted personnel with basic knowledge and skills in the field of Helicopter Aircraft Power Plants, Related System Maintenance, Safety, and to assimilate follow up specialized training in the Aviation Machinist s Mate (AD) rating. This course covers: General information in the field of Aviation Machinist s Mate rating, aviation safety, maintenance documentation, technical publications, theory and operation of gas turbine engines, troubleshooting, inspections, maintenance and repair of discrepancies on helicopter aircraft power plants and related system s, tools and hardware.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141622** | C-601-2013 | U | AD - TURBOPROP A/C FUND | 1.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides selected U.S. Navy and Marine Corps enlisted personnel with basic knowledge and skills in the field of Turboprop Aircraft Power Plants, Related System Maintenance, Safety, and to assimilate follow up specialized training in the Aviation Machinist s Mate (AD) rating. This course covers: General information in the field of Aviation Machinist s Mate rating, aviation safety, maintenance documentation, technical publications, theory and operation of gas turbine engines, troubleshooting, inspections, maintenance and repair of discrepancies on turboprop aircraft/power plants and related system, tools and hardware.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141623** | C-601-2014 | U | AD - TURBOJET A/C FUND | 1.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides selected U.S. Navy and Marine Corps enlisted personnel with basic knowledge and skills in the field of Turbojet/Turbofan Aircraft Power Plants, Related System Maintenance, Safety, and to assimilate follow up specialized training in the Aviation Machinist s Mate (AD) rating. This course covers: General information in the field of Aviation Machinist s Mate rating, aviation safety, maintenance documentation, technical publications, theory and operation of gas turbine engines, troubleshooting, inspections, maintenance and repair of discrepancies on turbojet aircraft/power plants and related system, tools and hardware. Note: The revised C-601-2014 course includes the F-35 IGAP content for entry into the F-35B and F-35C power plant maintenance courses at the Joint Strike Fighter Academic Training Center on Eglin AFB.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141629** | C-602-2033 | U | AME -AVIATION STR MECH E | 7.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

This course is designed to provide selected Navy and Marine Corps enlisted personnel with basic knowledge and skills in the field of environmental and egress systems operation, maintenance and safety. This knowledge will enable them to perform as maintenance technicians at aviation activities both afloat and ashore, under all operating conditions with appropriate supervision. Topics covered are General Aircraft Maintenance, Publications, Ordnance Handling, Liquid Oxygen (LOX), Gaseous Oxygen, Aircraft Air-conditioning & Pressurization, Aircraft Utility Systems, Aircraft Canopy Systems, and Aircraft Ejection Seats.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141631** | C-602-2026 | U | AVIA SPT EQUIP TECH A1 | 10.2 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides selected Navy and Marine Corps enlisted personnel with basic knowledge and skills required to perform satisfactory maintenance and administrative duties and, when followed by appropriate applications, to lead to the fulfillment of the technical requirements at the apprentice entry level. This course covers technical publications and forms; AC and DC power generating and motor driven equipment; internal combustion and gas turbine engine operating principles, constructions, mechanical and electrical systems; chassis and brake systems; power train theory; hydraulic and air conditioning fundamentals and maintenance. Students are provided with an introduction into cryogenics, corrosion control and basic troubleshooting.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P141638** | C-646-4202 | U | P-8A CONVENTIONAL WEAPONS LOADING COURSE (AO) | 1.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Ordnanceman will have sufficient knowledge and skills to perform P-8A conventional weapons loading. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes ordnance publications/ordnance certification program, aircraft configuration/release/control system, conventional weapon/stores, and conventional weapon/stores loading.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P141639** | C-600-4201 | U | P-8A GENERAL AVIATION A-SCHOOL | 1.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all rates will have sufficient knowledge of the aircraft systems, avionics, and publications, to perform P-8A organizational level maintenance. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes P-8A publications, general aircraft familiarization, aircraft systems familiarization, and general avionics familiarization.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141641** | C-602-4201 | U | P-8A ELEC/INST SYS ORG MAINT COURSE (AE) | 9.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electrician's Mate will have sufficient knowledge and skills to perform operational checks, troubleshooting, removal/ replacement of the line replaceable units (LRU) required to maintain P-8A electrical power, indicating and recording, lighting, navigation, hydraulic, flight controls, autoflight, landing gear, fuel, auxiliary power unit, powerplant, air-conditioning, fire protection, ice/rain protection, and weapon-bay-doors system. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction include electrical power system, indicating/recording system, lighting system, navigation system, hydraulic system, flight controls system autoflight system, landing gear system, fuel system, auxiliary power system, powerplant system, air-conditioning system, fire protection system, ice/rain protection system, and weapon-bay-doors system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141642** | C-602-4205 | U | P-8A FIBER OPTIC REPAIR (AT) | 2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electronics Technician will have sufficient knowledge of fiber optic repair publications, tools, test equipment, and fiber optic repair and maintenance procedures to perform P-8A organizational level maintenance. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes introduction to fiber optics and fiber optic maintenance practices.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141643** | C-601-4201 | U | P-8A POWER PLANT RELATED SYS ORG MAINT COURSE (AD) | 5.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Machinist's Mate will have sufficient knowledge and skills to perform operational checks, troubleshooting, removal/ replacement of the line replaceable units (LRU) required to maintain P-8A power plant, auxiliary power, pneumatic, fire protection, ice/rain protection, and fuel systems. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes powerplant system, auxiliary power system, pneumatic system, fire protection system, ice/rain protection system, and fuel system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141644** | C-603-4201 | U | P-8A AIRFRAME/HYDRAULIC SYS ORG MAINT COURSE (AM) | 6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Structural Mechanic will have sufficient knowledge and skills to perform operational checks, troubleshooting, removal and replacement of the line replaceable units (LRU) required to maintain P-8A hydraulic, landing gear, flight control, aircraft structures, aft pneumatic source, and fuel systems. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes hydraulic system, landing gear System, flight control system, aircraft structure, aft pneumatic source system, and fuel system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141648** | C-602-4203 | U | P-8A ECS SAFETY EQUIPMENT ORG MAINT COURSE (AME) | 4.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Structural Mechanic (Safety Equipment) will have sufficient knowledge and skills to perform operational checks, troubleshooting, removal/replacement of the line replaceable units (LRU) required to maintain P-8A pneumatic, air conditioning, ice/rain protection, water/waste, fire protection, oxygen, and on-board inert gas generating systems (OBIGGS). These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes pneumatic system, air-conditioning system, ice/rain protection system, water/waste system, Onboard Inert-Gas-Generating System (OBIGGS), fire protection system, oxygen system, equipment, furnishings, and emergency equipment.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141649** | C-646-4201 | U | P-8A ARMAMENT/ORDNANCE SYS ORG MAINT COURSE (AO) | 3.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Ordnanceman will have sufficient knowledge and skills to perform operational checks, troubleshooting, removal, and replacement of the line replaceable units (LRU) required to maintain P-8A stores management and early warning and self-protection systems. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes Stores Management System (SMS) and Early Warning and Self-Protection (EWSP) system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141653** | C-602-4204 | U | P-8A WIRE/CONNECTOR REPAIR (AE/AT) | 1.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electrician's Mate and aviation Electronics Technician will have sufficient knowledge of wire and connector repair publications, tools, test equipment, and wire and connector repair and maintenance procedures to perform P-8A organizational level maintenance. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes P-8A wire/connector repair publications, tools/test equipment, wire/cable identification/maintenance procedures, and connector identification/maintenance procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141654** | C-102-4201 | U | P-8A AVIONICS SYS ORG MAINT COURSE (AT) | 6.4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation electronics Technician will have sufficient knowledge to perform operational checks, troubleshooting, removal and replacement of the line replaceable units (LRU) required to maintain P-8A common display, navigation, identification friend-or-foe, secondary power distribution, mission computing and display, mission navigation, indicating and recording, communications, sensors and electronic warfare systems. These journeyman level skills will be performed under limited supervision following all safety precautions within the squadron working environment ashore. SCOPE: Instruction includes Common Display System (CDS), navigation-1 system, navigation-2 system, Identification Friend -or-Foe (IFF) system, Secondary Power Distribution System (SDPS), Mission Computing and Display System (MCDS), mission navigation system, indicating/recording system, communications -1 (Intercommunications) system, communications -2 (Voice) system, communications -3 (Data Link) system, and Electronic Warfare (EW) system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141660** | A-100-0073 | U | MICRO ELECT REPAIR | 1.8 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide sufficient knowledge and skill to perform high quality and high reliability solder connections on complex circuit card assemblies(CCAs) at the Organization and Intermediate levels.

**PRE-REQUISITE:** ALL STUDENTS MUST BE PHYSICALLY CAPABLE OF PERFORMING VERY INTRICATE AND DELICATE MANUAL WORK USING TOOLS SIMILAR TO DENTAL TOOLS. ALL CANDIDATES MUST MEET THE FOLLOWING VISUAL REQUIREMENTS WHICH MAY BE MET WITH CORRECTED VISION: FAR VISION = SNELLEN CHART 20/50; NEAR VISION = JAEGER 1 AT 14IN., OR REDUCED SNELLEN 20/20 EQUIVALENT; COLOR VISION = ABILITY TO DISTINGUISH RED, BLUE AND YELLOW COLORS AS PRESCRIBED IN BOORLIN CHARTS, ISHIHARA PLATES OR ADD-HRR TEST; DEPTH PERCEPTION, TITMUS STEREO CIRCLE CHART, OR EQUIVALENT.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141677** | C-603-3868 | U | ADV COMPOSITE MATERIAL MT | 4 | PTDL | Lemoore, CA 93246-5010 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, the Aviation Structural Mechanic (AMS, AMH) will perform, under supervision, repairs to advanced composite materials in the AIMD working environment. This course content will include the following Units of Instruction: 1. Introduction to Advanced Composite Materials Repair 2. Evaluation and Repair Criteria 3. Repair Procedures and Processes

**PRE-REQUISITE:** 1. Femaile Non-Pregnancy Chit (To be administered in Week 1 of training). 2. Contact Lens NOT AUTHORIZED. Graduate of AM A School. Respirator Physical Required.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141812** | C-602-3770 | U | LASER SAFETY FUNDAMENTALS | 0.2 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electrician, Aviation Structural Mechanics, Aviation Ordnacemen, Aviation Electronics Technicians and Aircrew Survival Equipmentmen will have sufficient knowledge and understanding of laser safety to effectively support a laser safety program wherever lasers are utilized. Scope: The course content will include the following Units of Instruction. 1. Introduction to LASER Safety Fundamentals.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141833** | C-601-4408 | U | T700-GE401 ENG INT MT IST | 4.6 | PTDN | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Machinist Mates will have acquired sufficient skill and knowledge of the T700-GE-401/401C engine, system analysis, troubleshooting techniques, borescoping procedures, and maintenance procedures to perform first degree intermediate maintenance under limited supervision at the Imtermediate Maintenance Activity (IMA).

**PRE-REQUISITE:** AD

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141872** | C-602-3019 | U | A/C SEALED INST RPR I/M | 4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Electronics Technicians and Aviation Electricians Mate Technicians will have sufficient knowledge/skills, including disassembly, assembly, alignment, operational checks, and selected repair, to perform, under supervision, Intermediate Maintenance of Aircraft Instruments. SCOPE: 1. Introduction to Aircraft Sealed Instrument Repair 2. Basic Instrument Theory and Balanced Bridge Type Instruments 3. Control Synchro System Type Instruments

**PRE-REQUISITE:** Graduate of AE/AT (Class A1) School or equivalent. Near Vision - Jaeger 1 at 14 inches, or reduced Snellen 20/20 equivalent. Normal color vision - Ability to distinguish red, green, blue, and yellow colors. Normal depth perception - Titmus Stereo Circle chart, or equivalent. Personal Physical Requirements: Far Vision - Snellen Chart 20/50 RATE AE or RATE AT

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141916** | C-050-3531 | U | P-3 FLIGHT ENGR SYS FAM | 6.4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Flight Engineer students will have sufficient familiarization knowledge of the P-3 aircraft systems to continue follow-on training at VP-30/VP-31 to qualify as a flight engineer in accordance with the NATOPS program. This course covers Aircraft Electrical and Mission Systems, Powerplants and Related Systems, Airframe and Utility Systems and Final Review and Test.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P141970** | C- 4D-2012 | U | NAMP INDOC | 8.4 | PNGW | Milton, FL 32570-6002 |

**ECL:** 80 **EIMET:** No

To provide newly commissioned or designated aviation ground officers (Navy 152X and Marine Corps 6002) with little or no aviation maintenance management background who are prospective members of organizational or intermediate maintenance organizations with technical information and knowledge of the managerial responsibilities and the administrative duties required to perform at an entry level aircraft maintenance position. SCOPE: Encompasses the entire spectrum of Naval and Marine Corps aviation maintenance management with particular emphasis on the organizational and intermediate maintenance activities to include their interface with the supply system as well as various other related activities. Aviation maintenance management - aviation maintenance process, operational readiness organization and support maintenance control. Administration, manpower management and maintenance training program. Material management and Navy supply system. Support asset maintenance data system; NALCOMIS OMA Operation. Forms and reports. General safety, flight deck NAVOSH and hazardous materials. Deployment/detachment operating, Aircraft weight and balance certification. Mock maintenance laboratory. Note: There is a maximum of five International Military students per class.

**PRE-REQUISITE:** Aviation Officers (U.S. and International) and DOD-sponsored civilians with a prospective assignment to a billet in or modeled after the Naval Aviation Maintenance Program. Language Requirements: Fluent comprehension of English, oral and written. Basic computer skills required and familiarity with Adobe Acrobat.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P141971** | C- 4D-2013 | U | NAVAL AVIATION MAINT PROG MGT CRS (NAMP) | 3.2 | PNGW | Milton, FL 32570-6002 |

**ECL:** 80 **EIMET:** No

Naval Aviators (O-3/O-4) assigned to duties as a squadron Maintenance Officer, Navy/Marine senior enlisted possessing at least 2 years of aviation maintenance or support experience, and newly commissioned Aviation Ground Officers (Navy 633X/638X/734X/738X, Marine Corps 6004/6302). Course is designed for (O3-O4) assigned to duties as a squadron Maintenance Officer, or Navy/Marine senior enlisted (E7-E9) aviation maintenance managers. The course also provides newly commissioned or designated aviation ground officers (633X/638X/734X/738X/ and Marine Corps 6004/6302) with technical knowledge of the managerial and administrative duties required to direct an aircraft maintenance activity.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P142001** | N/A | U | OJT NAVSEA | 1 | POSS | Indian Head, MD 20640-5035 |

**ECL:** 70 **EIMET:** No

OJT at NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY Indian Head MD.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P142004** | A-113-2102 | U | 5" 62 CALIBER MK45 MOD 4 GUN MOUNT | 11 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The Mk 45 Mod 4 Full Up Course is designed to provide selected Naval Gunners Mate (GM) personnel, Civilian Technical Support personnel, and Naval Shipyard personnel the skills and technical knowledge required to operate, maintain, and troubleshoot the 5" 62-Caliber Mk 45 Mod 4 Gun Mount at the organizational level. Course Description: The Mk 45 Mod 4 Gun Mount Operation and Maintenance Course is sequenced to provide the students with a logical development of operational knowledge and maintenance skills necessary to successfully exploit shipboard equipment capabilities. These skills and procedures are reinforced throughout the course and include safety precautions, operating procedures, proper use of tools and equipment specified on maintenance requirement cards (MRCs), use of technical references, proper troubleshooting and repair procedures

**PRE-REQUISITE:** GM A (MASL P142230) OTHER Normal color perception OTHER Recommend completion of NKO course (CSCS-GMA-GM01) for non-GM 'A' School graduates. PAYGRADES E1-E8 RATE GM

**COURSE NOTES:**

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| **P142010** | C-646-0653 | U | F/A-18 ARMAMENT SYSTEM ORGANIZATIONAL MAINTENANCE | 5.6 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

This track for USMC only defines the minimum required courses leading to assignment of F/A-18 Armament System Organizational Maintenance MOS 6531. Scope: The following required segment courses are included: (C-600-3601) Command Indoctrination; (C-646-9973) F/A-18 Stores Management System (Initial) Organizational Level Maintenance; (D/E-646-0640) F/A-18 Conventional Weapons Leading; (D/E-646-0647) F/A-18 Conventional Release System Test.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P142011** | C-646-9973 | U | F/A-18 STORES MGT SYS (INITIAL) O-LEVEL MAINT | 3.6 | PTDO | Oceana, VA 23460 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Aviation Ordnancemen or the Marine equivalent, will have sufficient knowledge/theory of the Stores Management and Weapon Delivery Systems of the F/A-18 Aircraft, including applicable test equipment, support equipment (SE), publications and safety precautions, to perform, under supervision, organizational maintenance and testing and troubleshooting in the squadron working environment. SCOPE: This course covers: 1. Introduction to F/A-18 Organizational Level Maintenance 2. Stores Management System Maintenance 3. Weapon Control System Maintenance and Configuration 4. Gun System Maintenance

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P142012** | A-100-0094 | U | GM COMBINED A SCHOOL | 16 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

Designed to provide trainees with apprentice level skills and knowledge necessary to accomplish and perform Gunner's Mate duties to include electrical/electronics, hydraulic/pneumatic systems, basic mathematics operate and perform maintenance on Gun, Missile, and Magazine Sprinkler Systems, Small Arms, and Ordnance Handling Equipment, make minor electrical, electronic, hydraulic mechanical, and Servo System casualty analysis and repairs at shipboard levels. With the knowledge and skills it will enable them to become vital and integral members of a crew, perform satisfactorily with limited supervision in a ship or shore environment, and reinforce previously learned military behaviors and routines, motivate and foster an identification with the naval community by stressing the necessity and criticality of the task they will be performing on a daily basis. Materials covered in this course include multimeters, basic DC circuits, wiring, introduction to AC, AC test equipment, inductance and RL circuits, capacitance and RC circuits, transformers, relays and switches, diodes & diode circuits, transistor circuits, power supplies, introduction to digital circuits, microprocessors, basic motors, basic syncro/servo, advanced syncro/servo, algebra and computer math, safety, technical publications, CSOSS, 3-M, tools, fluid power, gunner's mate basic, torpedoes, SVTT, ordnance, crew served weapons, small arms, ammunition, magazine sprinklers, PQS, security, corrosion, ORM and electromagnetic interference. Upon completion of Gunner's Mate Combined 'A' School Sailors will have attained the knowledge and hands on skills necessary to perform Gunner's Mate duties at the apprentice level, greatly contributing to the overall operational readiness of any ship or shore command.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P142050** | C-646-3111 | U | AVIATION ORD SYS TECH CORE | 4 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

AVIATION ORDNANCE SYSTEMS TECHNICIAN COURSE CORE Upon completion of this course, Aviation Ordnance Systems Technicians will have sufficient knowledge/skills to perform under supervision, maintenance of Aircraft Armament Equipment, and Armament/Weapons Support Equipment as well as munitions assembly/disassembly, ammunition accountability and Station Ordnance operations in the Marine Aviation Logistics Squadron and Station Ordnance environment. SCOPE: This Course Content Includes the Following Units of Instruction: 1. Introduction 2. Armament/Weapons Support Equipment 3. Ammunition Management 4. Ammunition Operations 5. Airborne Weapons 6. Common Missile Launchers/Ejector Racks

**PRE-REQUISITE:** RATE=AO

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P142051** | C-646-3112 | U | AVIATION ORD SYS TECH MEU | 4.2 | PVMA | Havelock, NC 28533 |

**ECL:** 70 **EIMET:** No

AVIATION ORDNANC E SYSTEMS TECHNICIAN COURSE MEU STRAND Upon completion of this course, Aviation Ordnance Intermediate Maintenance Technicians will have sufficient knowledge/skills to perform under supervision, maintenance of Aircraft Armament Equipment, Aircraft Gun Systems and Armament/Weapons Support Equipment in the Marine Aviation Logistics Squadron. SCOPE: This Course Content Includes the Following Units of Instruction: 1. Introduction to the Course 2. M272 Hellfire Missile Launcher (HML)/TOW Missile Launcher (TML) 3. AERO-7 Series Ejector Rack Assembly 4. BRU-20/21/22/23 Series Ejector Rack Assemblies 5. BRU-36 Series Aircraft Bomb Ejector Rack 6. Aircraft Store Ejector Rack 7. Introduction to Aircraft Guns and General Gun Safety 8. A/A49E-10 25MM Aircraft Gun System 9. A/A49-E-7 (V4) 20MM Point and Suppressive Fire System 10. M89E1 Declutching Feeder and M197 20MM Automatic Gun 11. Crew Served Weapons PREREQUISITES: RATE=AO

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P142380** | C-646-2011 | U | AVIATION ORDN A SCHOOL | 3.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

This course is designed to provide Navy and Marine Corps personnel with basic knowledge and skills training to perform as Aviation Ordnancemen. Graduates of this course will perform at the apprentice level, within AIMDs and OMDs both, ashore and afloat, under all operating conditions, with appropriate supervision. Topics for this course include Aviation ordnance publications, records and reports, basic and avionics corrosion control, naval aviation maintenance program, basic electricity and electronics, safety precautions and procedures, and airborne weapons.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P142381** | C-646-2012 | U | AO - NAVY DIFFERENCE TRNG | 3 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, the Aviation Ordnanceman assigned to Shipboard, Shore and Combatant Weapons Departments as conventional weapons handlers, will have the sufficient knowledge and skills of procedures and safety requirements for receiving, transferring and storing conventional weapons, assembly and disassembly of bombs and rockets, loading and unloading flare and rocket launchers and the Linkless Ammunition Loading System, and the canning and decanning of miscellaneous ordnance, in accordance with applicable publications, while working under minimum supervision in a shipboard or shore environment.

**PRE-REQUISITE:**

**COURSE NOTES:** International Notes: Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P142444** | CIVCONTR | U | GCS MK160MOD9/MK46MOD1 OSS | 5 | PTCL | Virginia Beach, VA 23461 |

**ECL:** 70 **EIMET:** No

This course is designed to provide ITT personnel the training necessary to perform operational procedures, preventive, and document corrective maintenance on the GCS MK 160 Mod 9 and OSS MK 46 Mod 0 components under all conditions of readiness. Course Description: This course is designed to provide the knowledge necessary for ITTPersonnel to operate and maintain the GCS MK 160 MOD 9 and OSS MK 46 MOD 1. Emphasis will be made of equipment-level as well as system-level connectivity, data interface, and operation. In support of these goals the following topics are planned: 1) Gun Weapon System (GWS) MK 34 MOD 2 General, Physical, Documentation and Functional Descriptions 2) Gun Computer System (GCS) MK 160 MOD 9 General, Physical, Documentation and Functional Descriptions 3) Optical Sight System (OSS) MK 46 MOD 1 General, Physical, Documentation and Functional Descriptions All preventive maintenance is taught in accordance with established PMS requirements and guidelines. All corrective maintenance is taught and performed in accordance with documented/published procedures.

**PRE-REQUISITE:** Normal Color Vision

**COURSE NOTES:** Method of teaching: Classroom lecture and practical laboratory exercises Maximum Class Size: 12 students

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| **P144144** | SPECIAL | U | MRAP MAINTENANCE COURSE | 3 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

To train international students in the proper maintenance procedures and basic repairs of US manufactured MRAP (Mine-Resistant Ambush Protected) vehicles.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P145000** | N/A | U | INTERNATIONAL TACTICAL COMMUNICATIONS COURSE | 5 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

To provide selected junior officers and senior enlisted specialized unclassified training in the theory, selection, operation, and tactical employment of portable field communication equipment. The training will enhance students proficiency and skills required to conduct land and waterborne tactical communications using voice and data HF, VHF, and UHF communication systems. This course can be offered in Spanish.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E9). Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145004** | A- 4H-0064 | U | SWO PEO GAS TURBINE | 9 | PSWS | Newport, RI 02841 |

**ECL:** 80 **EIMET:** No

To provide advanced engineering systems and management training to officers enroute to Chief Engineer Officer billets onboard Gas Turbine Ships. Scope: This course is designed to prepare officers to successfully perform as Chief Engineers (CHENGs) onboard Gas Turbine equipped Ships. Training consists of three weeks of "Common Core", which includes an in-depth explanation of engineering theory and engineering management programs including Advanced Shipboard Firefighting (2 days). Upon completion of Common Core, the students are separated by hull type and receive five weeks of hull-specific Gas Turbine Specialty Training. This specialty training covers Main Propulsion, Auxiliaries, and Electrical systems and includes the use of computer based simulators and console trainers in the execution of engineering evolutions and casualty control procedures. The ninth and final week is Hot Plant and Material Self Assessment training accomplished onboard a hull of the applicable ship class, PENDING DISCLOSURE APPROVAL FROM NAVY IPO. Students not able to participate in shipboard training due to disclosure issues will receive additional classroom instruction and simulator exercises. Students are required to complete multiple written tests, level of knowledge oral boards, homework, P-Works and successfully complete a practical factors assessment by Afloat Training Group, including performance of drills and evolutions on the console trainers, in order to graduate from the course of instruction.

**PRE-REQUISITE:** PAYGRADE O2-O3 "A portion of this training is on-board a ship. International Military Students should arrive prepared to incur the cost of the travel to and from the ship. Reimbursement (if applicable) claims for the travel expenses should be settled with the Security Cooperation Office in the student's home country."

**COURSE NOTES:** Family Members are STRONGLY DISCOURAGED to accompany the Students due to the high cost of living in Newport RI. The servicing airport is TF Green in Providence RI. Please have the students arrive before 1700. AFTER HOURS IMSO CONTACT: 817-874-0011

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| **P145021** | A-651-0011 | U | BASIC ENGINEERING COMMON CORE ADVANCED (BECC) | 3.4 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

Designed to teach all engineering ratings the basic skills necessary to rapidly assimilate into a shipboard engineering environment upon arrival to their first ship.

**PRE-REQUISITE:**

**COURSE NOTES:** BASIC ENGINEERING COMMON CORE ADVANCED (BECC) International Note(s): If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Type Course: A1 ENLISTED 'A' SCHOOL

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| **P145029** | A-651-0012 | U | ENG PROFESSIONAL APPRENTICESHIP CAREER TRACK | 4 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

Designed to teach all engineering ratings the basic skills necessary to rapidly assimilate into a shipboard engineering environment upon arrival to their first ship. TYPE COURSE: A1 ENLISTED 'A' SCHOOL Delivery method: Web based Internet with traditional instructional personnel.

**PRE-REQUISITE:**

**COURSE NOTES:** ENG PROFESSIONAL APPRENTICESHIP CAREER TRACK International Notes: If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P145037** | A-150-2300 | U | INFO SYS MAINT TECH | 12 | PTC5 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide personnel of the ET rate apprentice level instruction to perform journeyman level organizational preventive and corrective maintenance of Navy Information Systems. The course will provide classroom instruction and hands-on training on systems including Integrated Shipboard Networking System (ISNS), Global Command and Control System Maritime (GCCS-M), and related hardware, software, operating systems, and peripheral devices, as applicable. Scope: Instructional areas include A+, server hardware, Uninterruptible Power Supplies (UPS), Satellite Communications (SATCOM) peripheral devices, ON-143(V)14, Link Converters, Fiber Optics, XYLAN OMNI Switch, CISCO Routers, and Local Area Networks (LAN). Provides a working level knowledge of Windows Server Operating Systems, UNIX, Cisco Internetworking Operating System (IOS) and an overview of Global Command and Control Systems (GCCS) applications. Provides instruction on initial system setup, basic administration and operational checks on various Naval systems.

**PRE-REQUISITE:** ET 'A' school grad, PAYGRADES=E3-E7, RATE=ET

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145040** | A-652-0052 | U | ENGINEMAN STRAND | 1.8 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

ENGINEMAN STRAND Course Description: Course designed to provide designated strikers, cross-rating personnel, OSVETS and all Engineman E1 and above, with the Fundamental, Entry-level knowledge and skills in the following areas: Small Boat Operations, Small Boat Outdrives, Master Light-Off Checks, Diesel Plant Indoctrination/Safety, Diesel Engine Principles, Auxiliary Familiarization, Small Boats Components, Operation, and Troubleshooting, Outdrive, Components, Operation, and Troubleshooting, Small Boat Familiarization (Lab), Potable Water Systems, AC&R - Basic Components and Cycle, Engineering Watch Organization/ Admin/ Communication/ Programs, Sounding & Security/Cold Iron Watch.

**PRE-REQUISITE:**

**COURSE NOTES:** ENGINEMAN STRAND International Note(s): If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P145041** | A-652-0053 | U | GAS TURBINE (ELECTRICAL AND MECHANICAL) STRAND | 2.6 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

GAS TURBINE (ELECTRICAL AND MECHANICAL) STRAND Course Description: Introduction to technical documentation, basic watch standing procedures, alignment and operation of piping systems and equipment, hand tools, precision instruments, lubricants and lubricating systems, bearings, couplings, gears, valves, the Maintenance Material Management System (3M), gas turbine engine theory, propulsion theory, digital logic control system, electromechanical and electrohydraulic servo devices, electrical power and generative distribution.

**PRE-REQUISITE:**

**COURSE NOTES:** GAS TURBINE (ELECTRICAL AND MECHANICAL) STRAND International Note(s): If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145054** | A-062-0503 | U | STRATEGIC LEVEL SMALL CRAFT COMBTG TERR (SLSCCBT) | 4 | PNS1 | Stennis Space Center, MS 39529 |

**ECL:** 80 **EIMET:** No

The Strategic Level Small-Craft Combating Terrorism (SLC) course will enable graduates to better command and control, organize, and lead their maritime units (both military and police) trained in operations and maintenance level courses offered by NAVSCIATTS and other international maritime training courses. This senior course will enhance the operational capabilities and interoperability of partner nation maritime units and fill the gap in Combating Terrorism (CBT) focused education for officers (04-06) who perform duties as unit CO, XO, or OPS Offices or civilian equivalent counter parts. The Course of Instruction (COI) will provide a strategic and systematic overview of small craft unit organization, employment, and sustain improvement of small CBT unit capabilities. Additionally, the COI will observe the NAVSCIATTS Patrol Craft Officer Courses. These Senior Officers/students will see first-hand the rigorous training, selection procedures, and sustainment training integral to conducting CBT maritime missions. The methodology developed for this course will add the critical missing dimension to the spectrum of small craft maritime CBT studies and will be of particular value developing enduring international partnerships and relationships across Partner Nation Maritime Security Organization and the United States Government. SCOPE The Strategic Level Small Craft Combating Terrorism (SLC) course is a four week long in-resident training course designed to educate senior leadership (04-06) CO, XO, and OPS Officers or civilian equivalent partner nation personnel on strategic theory of standing up, leading, and operating a small craft unit focused on combating terrorism, counter drug and interdiction, and human trafficking. Topics taught: Human Rights, Strategy and Strategic Planning (Naval War College Lectures), Operational Level of Engagement (Joint Special Operations University (JSOU), Partner Nation Capabilities Presentations, Maritime Domain Awareness, Maritime Small Craft Unit Organization, Maritime Readiness - Material, Maritime Readiness - Personnel, Maritime Command - Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR), Maritime Table Top Exercises.

**PRE-REQUISITE:** The course is designed for officers with the rank of Major or Lieutenant Commander or above (O-4 through O-6 only) from all military branches and police units. Civilian candidates with a similar government position will also be admitted in this course. This course is taught in English only and it features Guest Speakers and Guest Lecturers from agencies such as State Department, Naval Special Warfare, Naval War College and other government agencies, requiring an ECL score of 80 or higher. Students should be familiar with small craft operations, be assigned to a unit with a "Combating Terrorism (CBT)" mission or in a government position with a CBT focus.

**COURSE NOTES:** ***Attention SCOs/FSNs*** ****Read carefully and in its entirety.**** 1. Course dates: E-mail IMSO for dates: manuel.butista@navsoc.socom.mil 2. Please refrain from late arrivals. We prefer early over late. 3. This course is designed for O-4s through O-6s, or civilian/police equivalent. Please email me if the candidate holds a different rank. Females are accepted in this course. 4. In accordance with E-SAMM C10.6.4.1; candidates must be selected from a pool of career personnel with at least 2-3 years left of active service. 5. The candidate`s biography is a requirement, email prior to his arrival. 6. Use New Orleans International Airport (code is MSY). 7. Issue a roundtrip ticket if possible. 8. All students will spend one week in San Diego CA or Washington DC. NAVSCIATTS will handle airfare & lodging for all students. You DO NOT need to allocate additional funds for this portion of the course as it is built in to the course tuition. 9. Students are required to bring a formal uniform (for graduation & reception ceremonies); 1-2 business casual attires (for social events & travel); appropriate uniforms for classroom sessions; and appropriate civilian attire. Weather will be very hot and humid, 30ºC - 38ºC in Mississippi. 10. Training will be conducted at NAVSCIATTS, Stennis Space Center, Mississippi (Hancock County). 11. All students will be lodged at the Homewood Suites in the city of Slidell, LA; some 15 minutes from NAVSCIATTS. Lodging includes breakfast at the hotel. Lunch at NAVSCIATTS is $6.00 12. NAVSCIATTS will transport all students to/from class daily, no need for rental cars on ITOs. 13. Total TLA per day per student is $129 (breakdown: $27 prop meal rate; $11 incidentals; $91 lodging). DO NOT advance more than $700 to your students; IMSO will pay the difference on the 2nd week or training. NETSAFA & NAVSCIATTS will handle hotel payment; DO NOT advance this LODGING money to your student. 14. All students will be issued laptops for the duration of this course only. 15. ECL required is 80 or higher, email NAVSCIATTS if under 80 please. 16. NO dependents allowed at NAVSCIATTS, NO exceptions.

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| **P145055** | K-652-2205 | U | LAMPS MK-3 RAST-MECHANICAL | 2.6 | PFC2 | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

Designed to train selected Naval and other authorized personnel with knowledge and skills necessary to perform organizational maintenance on the Recovery Assist, Securing and Traverse (RAST) System. 1. Clarify safety procedures and other precautionary measures through the use of technical documentation. 2. Theory and associated documentation to support all corrective maintenance. 3. Generate effective communication with Landing Safety Officer and RAST technicians. 4. Perform operational procedures, preventive maintenance, and fault isolation (troubleshooting) and repair procedures. This is a contractor taught course for Norfolk.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145062** | S-062-0063 | U | INTL PATROL CRAFT OFFICER COASTAL (PCOC) | 9 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

To provide students with specialized training in the employment, selection and operation of a Patrol Craft in littoral and coastal environments supporting interdiction, counter-terrorism and counter-narcotics operations. This course consists of nine weeks of comprehensive classroom and underway coastal operations instruction using 25-foot and 38-foot patrol boats. The training includes standard operating procedures to conduct day and night tactical waterborne craft employment using onboard electronics, night vision, GPS and RADAR. Additional topics include: Introduction to computerized navigation Navigation rules Aids to navigation Plotting, piloting, dead reckoning, and over-the-horizon navigation (day and night) Principles of communications, weapons safety and employment, Rules of engagement Mission planning Maritime interdiction operations Insertions and extractions Board and search Close air support, Final Field Training Exercise in combination with the communications course exercise.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E9) with boat driving experience. Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates. This course is designed for junior officers and senior enlisted personnel. In addition to the general prerequisites, students should be familiar with small craft operations and be in good physical condition. NAVSCIATTS will issue all students the necessary safety and training equipment.

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| **P145068** | K-041-2048 | U | MAGAZINE SPRINKLER OPS/MT | 0.8 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To train personnel in proper operation, testing casualty analysis, preventive maintenance, and repair of salt water activated magazine sprinkler systems and associated thermo-pneumatic automatic controls. Course includes classroom and laboratory instruction including theory of operation, valves, thermo-pneumatic controls and piping. During practical sessions students operate, test, isolate casualties, and repair operational classroom mock-up sprinkler systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145076** | N/A | U | INTERNATIONAL MOTOR LIFEBOAT (MLB) COXSWAIN COURSE | 2 | PCGD | Ilwaco, WA 98640 |

**ECL:** 75 **EIMET:** No

The USCG's National Motor Lifeboat School (NMLBS) in Ilwaco, Washington operates 47-foot motor lifeboats in heavy surf and rough weather and is the only training facility of its kind in the U.S. This course provides advanced level training for personnel permanently assigned to Motor Lifeboat Units (MLB) who will be required to perform the duties of motor lifeboat coxswain. This course will enable certified experienced MLB coxswains to perform risk assessment, basic engineering casualty control procedures and advanced operating procedures in heavy weather and surf conditions, consistent with USCG policy and standards.

**PRE-REQUISITE:** Students must be at least boat crewman qualified, and preferably be coxswain qualified.

**COURSE NOTES:** Note: Instruction is restricted to 47-foot motor lifeboats only.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145083** | S-062-0030 | U | WATERBORNE INSTRUCTOR COURSE RIVERINE | 8 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course will provide International Military Junior Officers and Senior Enlisted personnel advanced training to operate small craft in a Riverine and Littoral environment by providing the students with advanced skills and knowledge acquired through classroom lecture and operational scenarios. Successful graduates will be able to perform and teach group individual tasks during day and night evolutions, Basic Life Support, Littoral Navigation, Water and Land Patrolling, Intercepts, Night Vision Goggle Operations, Board and Search, IAD's, Insert/Extract and emergency procedures. This course is an attrition course, with Drop On Request (DOR) procedures in place, student must successfully complete each course training module prior to advancing to the next topic. Special Notes: At a minimum, students should be in good health, with normal vision (20/20 with or without glasses), normal hearing and manual dexterity. Additionally, students should be able to read and comprehend basic writing and mathematical skills in the course session language (English or Spanish) and have basic computer skills. Security Cooperation Officers must include in the ITO special instruction section or provide written certification that each student selected was screened to attend the Water Borne Instructor Course Riverine and are able to lift a minimum of 40 Lbs. and perform strenuous physical exercise. Students will be required to successfully perform the following tests during the first week. Physical Standards Test: Perform a minimum of 42 push-ups in 2 minutes, 2 minute rest, Perform a minimum of 50 sit-ups in 2 minutes, 2 minute rest, Perform a minimum of 6 pull-ups (no time limit),10 minute rest, Run 1 ½ miles wearing running shoes in under 15 minutes. US Navy 3rd class Swim test equivalent; Swimmer must appear comfortable performing a basic crawl stroke, breaststroke, sidestroke, in 25 yard intervals, for a total of 75 yards. Following demonstration of stroke proficiency the student must be able to float prone, while maintaining position, for 5 minutes and then transition into a back float prior to exiting the pool. Students must have the ability to float wearing all the combat gear using required flotation equipment. Failure to meet test requirements will result in student removal from the course of instruction and subsequent return to country of origin.

**PRE-REQUISITE:** This is an advanced course offered to selected graduates of the Basic Patrol Craft Officers Course (S-062-0019A) or personnel with equivalent level of training which enables the student to master requisite skills needed to effectively carry out missions and provide training to members of partner nation armed forces or civilian equivalent organizations whose primary mission is to combat terrorism, interdict illicit contraband, conduct counter narcotics operations or provide waterborne special operations support in riverine and littoral environment.

**COURSE NOTES:** This course in BY INVITATION ONLY. Contact IMSO for further details.

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| **P145104** | N/A | U | MARINE GAS TURBINE TECHNICAL TRNG | 2 | PNSE | Philadelphia, PA |

**ECL:** 70 **EIMET:** No

Tailored MGTI course for Internationals. Course includes both classroom and on-the-job training (OJT). A certificate of completion will be granted upon successful completion of a final written and oral examination. The course provides personnel in the gas turbine field who have a fundamental background, the knowledge and skills required to perform the tasks and functions of a Marine Gas Turbine Inspector (MGTI). To successfully complete this course the trainee must demonstrate effective communication skills, troubleshooting procedures, technical assistance, and inspection procedures, through testing, labs and shipboard OJT. This course enables the student to analyze data to develop a troubleshooting plan to recommend repair to a gas turbine engine, perform periodic inspections, and conduct intermediate level repair procedures. The student will also gain insight to periodic maintenance plans and gas turbine intake and exhaust inspection and maintenance requirements.

**PRE-REQUISITE:**

**COURSE NOTES:** Overalls and safety shoes required for OJT.

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| **P145109** | N/A | U | FINAF HYDRAULICS OJT | 1 | PNNI | San Diego, CA |

**ECL:** 70 **EIMET:** No

FINAF HYDRAULICS OJT Stab Actuator 93301 Mod -6 to -7 3014000-6/-7 Inspection Criteria New Instructions? Special Repairs? Testing/Adjustment Shimming Hydraulic Pump 93301 Overhaul Procedures 65124 Inspection Criteria Testing _____ EHV's 222880680 Test Comparisons 22280670-004 Overhaul Procedures (Single & Dual) 72097-02 Test Procedures 268193-1009 Bench Maintenance Procedures 268193-1011 975148-5 Directional Control Linear Valve (DCLV) MC14448-1 93206 Overhaul Procedures Testing _____ Aileron Actuator 93301 Splitting Mounted Servo Valve (MSV), Hydraulic Motors &HDU 34001890-109 Overhaul Procedures for MSV LEF Testing " " " 74A670270-1015 Shimming " " " Overhaul Procedures for HDU Disk Brake Adjustment RVDT Shimming HDU Testing Assemble MSV to HDU Retest _____

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145117** | N/A | U | PROPELLER (SHIP) CERTIFICATION COURSE | 2 | PSYN | Portsmouth, VA 23709 |

**ECL:** 80 **EIMET:** No

To train personnel to perform and document propeller visual preservation and technical inspection.

**PRE-REQUISITE:** Completion of Propeller Visual Inspection Course within last 5 years.

**COURSE NOTES:** All applications should be forwarded to Commanding Officer, Norfolk Naval Shipyard, Code 900T, Building 278, ATTN: Rodger Gable, Portsmuth, VA 23709-5000

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145118** | N/A | U | WATERBORNE INSTRUCTOR COASTAL (WIC-C) | 8 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This is an advanced course of instruction designed to enable the student to effectively provide classroom and underway instruction to members of their armed forces or civilian equivalent organizations whose primary mission is to perform waterborne special operations in the riverine and littoral environments; it is considered high-risk and as such Drop On Request (DOR) procedures are in place. Physical condition test requirements are as follows: In normal PT attire and running shoes, perform a minimum of 42 push-ups (within 2 minutes), perform a minimum of 50 sit-ups (within 2 minutes), perform a minimum of 6 pull-ups (no time limit), and run 1 1/2 miles in under 12 minutes 30 seconds. A 2 minute rest period will be given between each exercise, except for the run where a 10 minute rest will be given. Swim test requirements are as follows: Without fins complete a 500-yard swim in less than 13 minutes using the only the breast and/or sidestroke. Upon completion of the timed swim the student must demonstrate the ability to float for 5 minutes, while maintaining their position, in the prone position and then on their back prior to exiting the pool. The student will also be required to demonstrate the ability to float while wearing the combat gear and flotation equipment provided by NAVSICATTS. Slow speed patrol craft skills test requirements are as follows: Demonstrate the ability to moor the craft to a stationary object and/or another craft; spin the craft in a complete circle within a confined space, pivot turn the craft keeping the bow braced against an object; each exercise must be completed in a timely manner and without incident. High speed patrol craft skills test requirements are as follows: Demonstrate the ability to perform a series of continuous wake crossings while following another craft in open water, and maintain control and proper speed/distance while following another craft in a narrow winding channel.

**PRE-REQUISITE:** Attendees must be graduates of the Patrol Craft Officers Riverine Course (S-062-0019A) or possess the equivalent level of operational experience. Students must be in good health, able to lift a minimum of 40 Lbs., and be able participate is a strenuous physical exercise program. They should possess normal vision (20/20 with or without glasses), normal hearing and normal manual dexterity. Additionally, candidates must be able to read, speak and write in the course session language (English or Spanish) and should possess basic mathematical and computer skills (Microsoft Office). Country Teams, Security Assistance Officers must provide written certification of the above for each student selected to attend the Water Borne Instructor Course, Riverine (This can be done via the Invitational Training Order's (ITO)). Students will be required to successfully perform the following tests during the first week: A physical condition test, a swim test and a patrol craft skill test. This is an attrition course; failure to meet the above basic requirements will result in an academic drop of the student.

**COURSE NOTES:** This course in BY INVITATION ONLY. Contact IMSO for further details.

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| **P145119** | N/A | U | LM2500 INTERMEDIATE LEVEL MAINTENANCE TRAINING | 2 | PNSE | Philadelphia, PA |

**ECL:** 70 **EIMET:** No

STUDENTS ARE INTRODUCED TO INTERMEDIATE LEVEL LM2500 GAS TURBINE REPAIR AND INSPECTION TECHNIQUES. TRAINING CONSISTS OF BOTH CLASSROOM AND LABORATORY HANDS-ON EXPERIENCE IN CORRECTIVE MAINTAINANCE AND INSPECTIONS, INCLUDING COMPRESSOR 1ST STAGE BLADE INSPECTION AND REPLACEMENT, COMPRESSOR 3-11 STAGE BLADE REPLACEMENT, VSV OUTER BUSHING REPLACEMENT, TURBINE MIDFRAME LINER CLOCKING INSPECTION, AND CHANGE-OUT PREPARATION WITH SEPERATION OF THE GAS GENERATOR FROM THE POWER TURBINE.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145120** | N/A | U | CRAFTSMAN/CERTIFIER INITIAL CLASS | 0.6 | PTRF | Kings Bay, GA 31547-2631 |

**ECL:** 70 **EIMET:** No

To train personnel the proper methods and procedures of performing and documenting propeller visual and dimensional inspections. Outline: Propeller terminology, Propeller repair, Blade gages - types, geometry and application; dimensional inspection process, procedure, and analysis.

**PRE-REQUISITE:** Successful completion of Prop Visual Inspection course within past 5 years. E familiar with basic prop geometry and repair techniques. Have a fairly strong math background since course uses terms and functions such as sin, cosine, tangent, perpendicular, parallel, etc. Attendees are required to solve simple algebraic and trigonometric functions.

**COURSE NOTES:** Length of course 80 hours (approx. 1-2 hours of afterhours study time required daily.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145128** | N/A | U | LM2500 SHIPBOARD FAMILIARIZATION AND MAINTENANCE | 3 | PNSE | Philadelphia, PA |

**ECL:** 70 **EIMET:** No

To provide mid-grade personnel in the Gas Turbine Systems Technician Mechanical (GSM) rating with information about engineering administrative programs necessary for performance as work center supervisor and with knowledge and skills required to perform organizational level maintenance on LM2500 gas turbine engines associated with the FFG-7 class engineering plant. Scope: 1. Retrieve information from directives about engineering administrative programs and prepare required documentation in fulfilling their responsibilities as a work center supervisor. 2. Knowledge and skills required to perform maintenance in the following areas: Procedures for LM2500 maintenance practices, bore-scoping, VSV rigging, PLA rigging, FSEE interface, troubleshooting procedures, fault isolation, safety precaution, component removal/replacement, change out preparation/procedures, operational check-out.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145130** | CIVCONTR | U | MOS MAINT/TW | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

To provide the student with the knowledge and skills necessary to operate and maintain the MOS equipment. The course provides theory of operation, maintenance and toubleshooting procedures for MOS.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145149** | N/A | U | STAFF INSTRUCTOR DEV/INSTRUCTOR UNDER TRNG (IUT) | 1 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 80 **EIMET:** No

IUT Training Instructor Course is designed for waterborne instructor or maintenance instructors who will return to home country with the experience of performing as part of a professional training staff with the expectation that the gained experience will enhance their ability to implement changes to training organization processes and programs, understand resource and facility requirements needed to run a training facility, develop comprehensive training plans and professionalize curriculum delivery methods. Waterborne Instructors: PNI's will learn the processes and be expected to teach group individual tasks and will be required to make formal curriculum presentations via classroom lectures and progressive day and night evolutions in topics ranging from patrol craft familiarization, basic life support, mission planning, navigation, seamanship, the use of GPS, use of navigation charts and grid maps, radar and night vision equipment, basic communications, principles of board and search, patrol craft formations, crew served weapons training, patrol craft movement and formations, insertion and extraction of forces, and immediate action drills and emergency procedures. Maintenance Instructors: PNI's will learn the processes and be expected to teach group and individual tasks. PNI assigned as a Maintenance Instructor will provide training at the intermediate and advanced skill levels and will be required to make formal curriculum presentations via classroom lectures and progressive laboratory scenarios. The PNI will be expected to perform and teach group individual tasks ranging from basic engineering fundamentals, shop safety, precision measuring and special tools, lubricants and cleaning agents to internal combustion engine theory, electrical and fuel systems, preventive maintenance and troubleshooting, gear case and engine overhaul while training students how to apply techniques by referencing manufacturer's technical manuals. Special Notes: PNI's must be of grade/rank E-7 to E-9 or 02 to 03 and possess a minimum of 1-2 years of riverine or coastal patrol craft operations or maintenance and repair experience. Candidate must be able to meet all screening requirements as those required of U.S. instructors. After reporting to NAVSCIATTS, PNI's will be scheduled to attend the U.S. Navy certified Basic Instructor Qualification Course (CIN-A012-0011). NAVSCIATTS will secure seats for this course. PNI will complete the Core Unique Instructor Training (CUIT) requirements as directed by the NAVSCIATTS Learning Standards Office (LSO) as part of the instructor development requirement to teach. PNI candidates must have a strong speaking, reading and writing ability; possess computer skills with knowledge of Microsoft Word and PowerPoint. The PNI will provide a copy of a medical statement to IMSO of PNI's ability to participate in strenuous physical fitness training. The purpose of command physical fitness training is to promote good health, present a good military appearance, and to foster cohesiveness and good morale among staff members and students. PNI's over the age of 40 years will be given a medical screening by U.S. medical personnel to determine the level and physical ability to participate in regularly scheduled physical fitness training program. The PNI will bring adequate number of military uniforms in order to present a professional image as an instructor, to include, national dress, duty, and field uniforms. The PNI will also bring adequate civilian clothing for off-duty wear and attendance to social and formal military events. NAVSCIATTS fully expects PNI's to participate in all Institute activities to include, graduations, staff training, Field Studies Program (FSP)events, command level physical fitness training and formal visits. ECL NOTE: PNI must have English language proficiency skills equivalent to an English Comprehensive Level (ECL) of 80 in order toeffectively perform when required to teach in English.

**PRE-REQUISITE:** It is highly recommended the PNI be a prior graduate of any of NAVSCIATTS waterborne or maintenance in-resident courses of instruction. If performing IUT as a waterborne instructor and because of the diverse nature of the boat operations conducted by NAVSCIATTS, PNI candidates must have the knowledge and proficiency to maneuver patrol craft, moor in different positions, maneuver alongside another craft, navigate using electronic navigation and/or charts, and operate the craft at low, moderate and/ or execute high-speed multiple boat formation maneuvers. If performing IUT as maintenance instructor, PNI candidates must have the knowledge and proficiency in basic engineering fundamentals, and internal combustion engine theory.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145150** | A-495-0035 | U | HT STRAND | 4.4 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

To provide the basic technical knowledge and skills required to prepare the sailor for an apprentice HT position. SCOPE: Course designed to provide designated strikers, cross-rating personnel, OSVETS and all Hull Maintenance Technicians, E1 and above, with the fundamental, entry-level knowledge and skills in the following areas: oxyacetylene cutting, silver brazing, shielded metal arc (SMA) welding and collection holding and transfer systems (CHT). These basic comprehension and demonstration of these basic skills are measured by the successful completion of 13 hands on practical test, 4 written test and 4 computer based trainings.

**PRE-REQUISITE:** Must be qualified for sea duty. Normal color perception required. PREREQUISITE RATES: FA , FN or SR

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P145151** | K-060-0024 | U | PRE-CREWMAN QUALIFICATION TRAINING | 2 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

These skill areas include but are not limited to: Navigation, Seamanship, Plotting, Physical Training, Preventive and Corrective Maintenance, Engineering, Communication, Team Building, Group Dynamics, Leadership, and Mission Planning. The course also provides an opportunity for SWCC candidates to train with BUD/S candidates in an operational environment.

**PRE-REQUISITE:** K-060-0010 SWCC ORIENTATION (P145949) & K-060-0030 BASIC CREMAN TRAINING (P145952) Gender: Male. Paygrade: E1-E5

**COURSE NOTES:**

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| **P145152** | N/A | U | PATROL CRAFT ADVANCED TRAINING (PCAT) | 5 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course provides International Special Operations Forces, selected conventional forces or police personnel with intermediate to advanced training in the operation of small boats in riverine and littoral environments. PCAT provides students the skills necessary to perform group and individual small craft evolutions consisting of instruction in, navigation, patrol craft operation, live dynamic and static range evolutions using crew saved weapons in day and night conditions. Practical applications will be evaluated and graded throughout the course to ensure that all students have accomplished course objectives.

**PRE-REQUISITE:** At a minimum, students should be in excellent health, with normal vision (20/20 with or without glasses), normal hearing and manual dexterity. Additionally, students should demonstrate general aptitude to include basic reading comprehension, writing ability, and math skills (up to addition, subtraction, multiplication, and division of fractions/decimals) in their native language. Students should have the ability to float using required flotation. This course is UNIT LEVEL training and requires prior planning and approval with NAVSCIATTS (228-304-1041 or 228-813-4050).

**COURSE NOTES:**

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| **P145153** | N/A | U | ADVANCED OBM COURSE OVERVIEW (AOBM) | 4 | PNST | Stennis Space Center, MS 39529 |

**ECL:** **EIMET:** No

Advanced Outboard Motor (AOBM) is a four week course that enhances the technical knowledge of marine mechanics in the service and maintenance of both two and four stroke outboard motor engines. This course is intended for junior officers and senior enlisted personnel. Course lesson topics include component identification methods, injection case theory, computer based diagnostics, mechanical and electrical troubleshooting, control modules, powerhead theory, and technical publications. Practical applications will assess the student's troubleshooting procedures and challenge them to conduct critical thinking.

**PRE-REQUISITE:** This course is intended for junior officers and senior enlisted personnel who are graduates of NAVSCIATTS Outboard Motor Course. Personnel with proof of equivalent training or certification or three years' experience servicing OBMs may also be considered. Students must be in good health and physical condition to include hearing and eyesight and must be able to read and write and perform basic math calculations.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145156** | N/A | U | PROPELLER (SHIP) VISUAL INSPECTION COURSE (REQUAL) | 1 | PSYN | Portsmouth, VA 23709 |

**ECL:** 80 **EIMET:** No

To re-qualify personnel to perform and document propeller visual preservation and technical inspections. Scope: a. Propeller terminology, blade configuration, and numbering b. Preservation, packaging and storage requirements c. Visual inspection process and procedures Instructional Methods: a. Instructor lecture discussion with visual aides b. Student self study guide c. Practical demonstration on training aide mockups d. Work experience assignments on training aides e. Written examinations (to re-qualify as a visual inspector) (1) Satisfactory prepared visual inspection report (2) Final examination with minimum passing score of 80 percent Target Audience: Previously qualified personnel (military and civilian) such as divers, supply and storage system personnel, repair shop personnel, and ship repair personnel who perform visual inspections of propellers upon receipt, prior to shipment, while in storage, before and after repair, and/or while installed shipboard.

**PRE-REQUISITE:** Prior qualification as a propeller visual technical inspector is required. Activities outside DoD must submit an IAA form (International Agreement), with SF-182 as back documentation. **THERE ARE ADVANCE REQUIREMENTS FOR THIS COURSE** For course administrative information and advance requirements please contact the IMSO at (757) 396-1688/0372. Alternate POC is NETSAFA Country Programm Mgt: (850) 452-5773

**COURSE NOTES:** Travel and Billeting Information. The closest airport is Norfolk International Airport (ORF), located approximately 13 miles from Norfolk Naval Shipyard, which is located in Portsmouth, Virginia. Students will need a rental car or POV to get to and from training. For the safety and security of the course attendees, and rush-hour congestion of the Elizabeth River tunnels, lodging/billeting arrangements should be for the Portsmouth side of the river. Class commences promptly at 0800 on first day. Final examinations are conducted on the last day of class. Therefore, commands should not schedule return travel on the last day of class. Tolls have been instituted on both tunnels connecting Norfolk and Portsmouth. When using a rental car, be sure to ask for a transponder to automatically pay the tolls. There are no cash payments options for tolls. Commands are strongly urged to print the student information sheet, Enclosures (9), and (10), and give it to each student attending the course.

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| **P145233** | N/A | U | AN/SSN-6 NAVSSI O&M | 1 | PSNW | San Diego, CA 92152-5001 |

**ECL:** 70 **EIMET:** No

AN/SSN-6 Navigation Sensor System Interface (NAVSSI) Operation and Maintenance (O&M) The NAVSSI Course will provide operation and maintenance training. Operator Training will include a basic introduction, including how to use the training guide; points of contact; background and program history; NAVSSI purpose basic configuration, and system interfaces, as well as a hardware overview of RTS, DCS and NRS's, and system start -up and shutdown. Passwords/password levels and software, such as COMDAC software, use of Common Desktop Environment, and overview of troubleshooting windows will also be presented. A workbook is given to students, which includes 12 lessons to be completed by the student. Maintenance Training will include a basic introduction, including how to use the training guide; points of contact; background and program history; NAVSSI purpose and basic configuration; and system interfaces. A hardware overview will include RTS, DCS and NRS's subsystems and components; equipment drawings and lists of controls and indicator; circuit board graphics and settings; and signal flow diagrams and interconnection diagrams. System start -up and shutdown, safety measures, routine maintenance, corrective maintenance )troubleshooting and fault isolation using system fault indicators; system alarm troubleshooting; system alert troubleshooting tables and flow charts; maintenance shutdown procedures, emphasizing the importance of a proper orderly shutdown) and system administrator functions are presented. Students will also identify components of each rack with equipment running, observing controls and indicators and use the systems pull-down windows for troubleshooting and maintaining the system.

**PRE-REQUISITE:** Normal color vision; Minimum ECL Score of 70%

**COURSE NOTES:** MAX Class Size: 8 Operators and 8 Maintainers

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| **P145406** | A-652-0303 | U | MECHANICAL MAINTENANCE COMMON CORE (GSM) | 8 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

To provide personnel in the Gas Turbine Systems Technician Mechanical (GSM) rating in pay grade E4 through E6 with information about engineering administrative programs necessary for performance as work center supervisor and with knowledge and skills required to perform organizational level maintenance on pumps, valves, hydraulic systems, fuel systems, lube oil systems, air systems, and LM2500 gas turbine engines associated with the DD-963, CG-47, and FFG-7 class engineering plant. Scope: 1. Retrieve information from directives about engineering administrative programs and prepare required documentation in fulfilling their responsibilities as a work center supervisor. 2. Knowledge and skills required to perform maintenance in the fol lowing areas: a. Procedures for LM2500 maintenance practices, borescoping, VSV rigging, PLA rigging, FSEE interface, troubleshooting procedures, fault isolation, safety precaution, component removal/replacement, change out preparation/procedures, op erational check-out. b. Procedures for reduction gear, shafting, bearing, auxiliary equipment/systems, controllable pitch propeller system maintenance.

**PRE-REQUISITE:** PAYGRADES=E4-E6, E5-E9, AND RATE GSM

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145436** | A-652-0233 | U | FFG-7 AUX MECH TECP/L | 11 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

To award NEC 4382. This entry describes an umbrella CIN which consists of five courses: A-652-0320 DIESEL ENGINE "C" SCHOOL (CORE) A-652-0152 ENGINEERING SYSTEM MAINTENANCE MANAGEMENT A-652-0164 FFG-7 FIN STABILIZER SYSTEM A-652-0158 AUXILIARY MECHANICAL SYSTEM A-652-0167 16V149TI DIESEL ENGINE WASTE HEAT SYSTEM MAINTENANCE. Please add the SCOPE: Course graduates will be able to operate and perform preventive and corrective maintenance at the organizational level on mechanical auxiliary systems components installed on the FFG-7 Class ships. SEE ENTRIES FOR INDIVIDUAL COURSES, AS FOLLOWS: A-652-0167 WASTE HEAT SYSTEM MAINTENANCE (16V149TI DIESEL ENGINE) A-652-0158 AUXILIARY MECHANICAL SYSTEM A-652-0164 FFG-7 FIN STABILIZER SYSTEM A-652-0152 ENGINEERING SYSTEM MAINTENANCE MANAGEMENT A-652-0320 DIESEL ENGINE "C" SCHOOL (CORE). The training consists of four courses: A-652-0320 DIESEL ENGINE "C" SCHOOL (CORE); A-652-0164 FFG-7 FIN STABILIZER SYSTEM; A-652-0158 AUXILIARY MECHANICAL SYSTEM; A-652-0167 16V149TI DIESEL ENGINE WASTE HEAT SYSTEM MAINTENANCE.

**PRE-REQUISITE:** C-652-0320, DIESEL ENG CCORE P145453 Direct fleet inputs E-2 and above who have successfully completed the core course within the past six months may be waived. PREREQUISITES PAYGRADES E2 PREREQUISITES RATE EN

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P145438** | K-495-2179 | U | FOAM GEN SYS OPS & MAINT | 1 | PFC2 | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

To provide maintenance and supervisory personnel with the knowledge and technical skills required to operate and maintain an installed Aqueous Film Forming Foam (AFFF) fire fighting system. SCOPE: Teaches theory of operation, selected corrective and preventive maintenance on the two-speed injection system, single speed injection system, Venturi Balanced Pressure Proportioning Systems, AFFF Testing and Inline Eductor. Labs include valve overhaul (81M check, Hytrol, Powertrol, SOPV and Manual Control Valves) and Type II Pump rebuild.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145453** | A-652-0320 | U | DIESEL ENG C SCHOOL CORE | 3.2 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

Provides training to designated strikers and personnel in the Engineman rating, paygrade E-3 and above, Machinist Mate (SS), paygrade E-5 and above, and Construction Mechanic, paygrade E-5 and above, prior to attending training on specific diesel engines. Enables students to interpret readings to solve crankshaft deflections and shaft alignment problems; test/inspect lubricating oil/fuel oil; test and treat Jacket water cooling systems; measure running clearances and other dimensions of Roots-type blowers, turbochargers and power unit assemblies; identify and correct problems related to main and accessory drive trains of diesel engines; use 3-M system documents and technical manuals to perform PMS on mechanical/hydraulic governors, diesel engines and related equipment; analyze trend analysis data to correct abnormal operating conditions of diesel engines; observe and adhere to safety precautions and equipment protection procedures when operating and maintaining diesel engines; perform engineroom supervisor watchstanding.

**PRE-REQUISITE:** Required minimum of two years fleet experience due to level of instruction and RATE=EN or RATE=MM or RATE=CM and graduate of COURSE A-652-0018 ENGINEMAN "A" or BECC A-651-0125 or COURSE A-610-0022 CM-A-USN or COURSE A-651-0053 MM CLASS "A" 4YO or BECC A-651-0125

**COURSE NOTES:** DIESEL ENG C SCHOOL CORE International Note(s): If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145486** | A- 4H-0158 | U | SWO ADV GAS TURBINE ENGRG | 9 | PSWS | Newport, RI 02841 |

**ECL:** 80 **EIMET:** No

Prepares prospective Engineering Division Officers to perform with confidence in their assignments as Engineering Division Officers by providing fundamental instruction in advanced engineering oriented training. Training consists of three weeks of "Common Core", which includes an in-depth explanation of engineering theory and engineering management programs including Advanced Shipboard Firefighting (2 days). Upon completion of Common Core, the students receive five weeks of Gas Turbine Specialty Training specific to CGs. This specialty training covers Main Propulsion, Auxiliaries, and Electrical systems and includes the use of computer based simulators and console trainers in the execution of engineering evolutions and casualty control procedures. The ninth and final week is Hot Plant and Material Self Assessment training accomplished onboard a hull of the applicable ship class, PENDING DISCLOSURE APPROVAL FROM NAVY IPO. Students not able to participate in shipboard training due to disclosure issues will receive additional classroom instruction and simulator exercises. Students are required to complete multiple written tests, level of knowledge oral boards, homework, P-Works and successfully complete a practical factors assessment by Afloat Training Group, including performance of drills and evolutions on the console trainers, in order to graduate from the course of instruction.

**PRE-REQUISITE:** PAYGRADES O2-O3 A portion of this training is on-board a ship. International Military Students should arrive prepared to incur the cost of the travel to and from the ship. Reimbursement (if applicable) claims for the travel expenses should be settled with the Security Cooperation Office in the student's home country."

**COURSE NOTES:** Family Members are STRONGLY DISCOURAGED to accompany the StudentsdDue to the high cost of living in Newport RI. The servicing airport is TF Green in Providence RI. Please have the students arrive before 1700. AFTER HOURS IMSO CONTACT: 817-874-0011

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| **P145488** | A- 4H-0160 | U | SURFACE WARFARE OFFICER ADV DIESEL ENGINEERING | 9 | PSWS | Newport, RI 02841 |

**ECL:** 80 **EIMET:** No

Prepares prospective Engineering Division Officers to perform as Engineering Officers Division Officers onboard Diesel class ships (LSD, LPD-17, or PC). Training consists of three weeks of Common Core, which includes an in-depth explanation of engineering theory and engineering management programs and Advanced Shipboard Firefighting (2 days). Upon completion of Common Core, the students are separated by hull type and receive five weeks of hull-specific Diesel Specialty Training (LSD, LPD-17 or PC). This specialty training covers Main Propulsion, Auxiliaries, and Electrical systems and includes the use of computer based simulators and console trainers in the execution of engineering evolutions and casualty control procedures. The ninth and final week is Hot Plant and Material Self Assessment training accomplished onboard a hull of the applicable ship class, PENDING DISCLOSURE APPROVAL FROM NAVY IPO. Students not able to participate in shipboard training due to disclosure issues will receive additional classroom instruction and simulator exercises. Students are required to complete multiple written tests, level of knowledge oral boards, homework, P-Works and successfully complete a practical factors assessment by Afloat Training Group, including performance of drills and evolutions on the console trainers, in order to graduate from the course of instruction.

**PRE-REQUISITE:** PAYGRADES O2-O3 A portion of this training is on-board a ship. International Military Students should arrive prepared to incur the cost of the travel to and from the ship. Reimbursement (if applicable) claims for the travel expenses should be settled with the Security Cooperation Office in the student's home country.

**COURSE NOTES:** Family Members are STRONGLY DISCOURAGED to accompany the StudentsdDue to the high cost of living in Newport RI. The servicing airport is TF Green in Providence RI. Please have the students arrive before 1700. AFTER HOURS IMSO CONTACT: 817-874-0011

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| **P145491** | A-670-2153 | U | AN/WSN-7(V)1 SURFACE OP MT | 6 | PTCL | Virginia Beach, VA 23461 |

**ECL:** 70 **EIMET:** No

This course is designed to provide trainees with the skills and knowledge necessary to operate and maintain the AN/WSN-7(V) Inertial Navigation System (INS), AN/WSN-7B(V) Ring Laser Gyrocompass, and the Integrated Bridge System (IBS) (any variant) with limited supervision, using organizational level technical documentation, under all conditions of readiness, normal and abnormal operations inport and underway, and to perform preventive and corrective maintenance using Built-In-Tests and documented troubleshooting procedures. SCOPE: Perform selected preventive and documented corrective maintenance on the AN/WSN-7 INS and the AN/WSN-7B RLG to include: Gyroscope, Navigator, Ring Laser; (RLGN), CN-1695, 6, 7/WSN-7(V) Display unit, Control: (CDU).

**PRE-REQUISITE:** PAYGRADES E2-E7 RATE ET RATE IC

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145522** | A-100-0101 | U | GSE APPREN TECH (AEC) | 4.2 | PSS2 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

The Apprentice Technical Training course will offer entry-level training for the GSE rating. Trainees will have access to the knowledge and skills associated with the electricity, electronics, communications, and radar communities. Reusable Learning Objects (lessons) will address technical areas to include Direct Current, Alternating Current, Analog Devices, Digital Devices, Communication Systems, Radar Systems, and other associated devices and sub-systems. Scope: Trainees will obtain apprentice level skills required by Fleet standards for entry into a workplace environment responsible for operation and maintenance of electronic equipment. Trainees will be introduces to technical procedures, test equipment, fault isolation techniques, and repair methodologies. Graduates will demonstrate an apprentice level performance based on Skill Objects identified by Fleet.

**PRE-REQUISITE:**

**COURSE NOTES:** GSE APPREN TECH (AEC) International Note(s): If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P145546** | S-121-1001 | U | MK41 VLS FMS OPER/MAINT | 10 | PWSE | Port Hueneme, CA 93043-4307 |

**ECL:** 70 **EIMET:** No

This is an FMS only version of the military Operation and Maintenance Course taught at Fleet Training Center (FTC) San Diego, CA and is tailored to meet the specific FMS requirements for each country and ship class. NAVSURWARCEN PHD serves as the primary overflow site for Mk 41 VLS FMS Operation and Maintenance training when training cannot be provided by FTC San Diego, CA. This course will provide students with a basic understanding of operation of the Mk 41 VLS in all modes and configurations, observing all safety precautions. Students will learn how to perform scheduled and unscheduled maintenance as well as fault isolation and repair to the Lowest Replaceable Unit (LRU) using the required technical manuals and procedures. Operation/maintenance is introduced by equipment/component perspective. Topics include: Introduction to the Mk 41 Vertical Launching System (VLS), Launcher Equipment Operations, Maintenance, and Fault Isolation, Strikedown System Operations, Maintenance, and Fault Isolation when applicable, Launch Control Unit Operation, Maintenance, and Fault Isolation, AN/UYK-44 computer Expansion Adapter Group, AN/USH-26 Recorder/Reproducer Set OL-267 Data Terminal Group Matrix Printer, Launch Functions and System Fault Isolation. Targeted Audience: Military or civilian personnel requiring a basic understanding of the maintenance, operation, fault isolation and field repair of the Mk 41 Vertical Launching System as installed on FMS ship classes. MINIMUM/MAXIMUM NUMBER OF STUDENTS: 1/12

**PRE-REQUISITE:**

**COURSE NOTES:** MINIMUM/MAXIMUM NUMBER OF STUDENTS: 1/12 - Course length is 7 to 10 weeks, depending on baselines, configurations and missile variants.

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| **P145555** | K-652-0314 | U | LCAC MECHANICAL MAINTENANCE COURSE | 5 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

Provides LCAC maintenance personnel (GSM) with the necessary information, skill development, and practical application to set up, check out, maintain, and perform maintenance on the LCAC gas turbine engines, propulsion and lift system, and mechanical auxiliaries. Personnel will be provided with the technical data required for maintenance-related checkout, inspection, disassembly, assembly, troubleshooting, use of tools and test equipment, and repair of the systems and associated subsystems at the organizational level of maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:** INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork.

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| **P145556** | K-652-0315 | U | LCAC CRAFT CONTROL SYS MT | 5 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

Provides LCAC maintenance personnel with the necessary orientation information, skill development and practical application to operate and perform maintenance on LCAC electrical power distribution, main engine controls, fuel system, fire protection system and craft control systems. Personnel will be provided with the necessary knowledge, skills, and practice maintenance-related calibration, troubleshooting, and use of tools and test equipment. Also, repair of systems and associated subsystems at the organizational level of maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:** INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145562** | K-652-2146 | U | HYDRAULIC SYS COMPONENTS | 1 | PFC2 | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

This course is designed to provide training in basic theory of safe operation and troubleshooting of hydraulic systems and components. SCOPE: This course provides training in basic hydraulic system components with classroom instruction on hydraulic fluids, components, basic systems, schematic symbols, and troubleshooting. The laboratory provides training on the disassembly and reassembly of balanced piston and sliding spool pressure control valves; gear, vane and piston pumps; and troubleshooting hydraulic systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P145564** | K-062-0625 | U | RIGID HULL INFLATABLE BOAT | 1.8 | PNAB | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

To provide Rigid Hull Inflatable Boat (RHIB) Coxswain training for the US Naval personnel in order to better prepare these personnel for the unique handling characteristics of the RHIB. Scope: Course consists of five days of instruction. Three days will be in a classroom and will cover the history of RHIB, nomenclature, start up and shut down procedures, handling charact eristics, running alongside, victim approaches, towing and rigging, heavy weather operations, sponsor repairs and pier landings and GPS Fundamentals. The remaining two days of instruction will be in RHIB handling and will be spent afloat to include nighttime Open Ocean Navigation.

**PRE-REQUISITE:** Student MUST be second-class swimmer qualified and have normal vision (correctable to 20/20 and passed Falant Color Vision Test within the last six months).

**COURSE NOTES:** EWTGLANT ONLY: Prerequisite information must be stamped on the student s orders; if the orders do not state the above information, the student will be refused training and returned to his/her command.

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| **P145758** | J-690-0077 | U | FUEL PROBE/CARGO DROP MT | 0.6 | PNAB | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

FUEL PROBE AND CARGO DROP REEL MAINTENANCE To train Engineering and Deck enlisted personnel, E-1 through E-9, and (DOD) Military Sealift Command, to perform maintenance and repair of Fuel Probe and MK-II Cargo Drop Reel equipment. Course includes disassembly, inspection, assembly, repair and test of the Fuel Probe, Probe Receiver, and MK-II Cargo Drop Reel. Upon completion of this course the student will be able to disassemble and reassemble fuel probes and replace damaged parts. Students will be able to perform PMS on the fuel probes and MK II cargo drop reels. Note: Working uniform and steel toe shoes are the required uniform. Coveralls and work gloves are recommended.

**PRE-REQUISITE:**

**COURSE NOTES:** WEATHER: Students are required to bring warm clothing during the winter months i.e., foul weather jacket, long underwear, gloves, watch cap, etc.

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| **P145759** | K-821-2142 | U | PROPUL FUEL TESTING-SHPBD | 0.8 | PNA1 | Virginia Beach, VA 23459 |

**ECL:** 70 **EIMET:** No

The Shipboard Propulsion Fuel and Oil, JP-5 System and Fuel Testing course is designed to provide Oil King and fuel handling personnel basic knowledge, and the skill necessary to operate/maintain propulsion/JP-5 shipboard fuel systems, to monitor the quality of shipboard fuels through a vigilant fuel testing program, and provide familiarity with logs, records, and reports necessary to monitor fuel and oil usage. Instruction of the physical properties of propulsion/JP-5 fuels used in Navy ships and aircraft and the significance of the quality test performed thereon; functional training regarding steps and procedures to conduct required quality surveillance testing of propulsion, JP-5 fuels and oils used in Navy ships and aircraft; lubricating oil management, the Navy Oil Analysis Program (NOAP) and logs, records, pollution abatement and control, and reports needed to monitor shipboard fuel and oil use; and characteristics and hazards of fuel tanks, transfer, stripping and service piping, pumps, and filters.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145903** | S-062-0006 | U | TECHNICAL WELDING AND APPLIED REPAIRS (TWAR) | 8 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

Provides designated junior officers and enlisted personnel the basic training necessary to perform structural repairs and preventive maintenance to steel, aluminum, fiberglass and inflatable hull small craft at the apprentice level. Consists of instruction in oxyacetylene welding and cutting, electric arc and aluminum mig welding, as well as fiberglass and inflatable rubber boat repair. In amplification of classroom theory, practical application techniques are employed to accomplish course objectives in all areas of instruction. This eight-week course consists of instruction in hand tools, oxyacetylene cutting, welding and brazing techniques, electric arc and aluminum MIG welding and fiberglass and inflatable boat repair. Practical applications of techniques are employed in all areas of instruction to accomplish course objectives.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates.

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| **P145904** | S-062-0007 | U | INTERNATIONAL SMALL ARMS MAINTENANCE (ISAM) | 4 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

Provides designated junior officers and enlisted personnel the basic training necessary to perform routine and preventative maintenance on various individual small arms and patrol craft weapons systems. Consists of instruction in weapons safety, ammunition fundamentals, malfunction analysis, disassembly, inspection, and reassembly of each weapon to include the M2HB .50 caliber machinegun, MK19 40mm grenade launcher, M60 (Basic) machinegun, M14, M16 and AK47 rifles, M203 and M79 40mm grenade launchers, Mossberg 500A1 shotgun, M1911A1 .45 caliber and Sig Sauer P226 9mm pistols.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates.

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| **P145905** | S-062-0008 | U | INSTRUCTOR DEVELOPMENT CRS | 2 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

Provides designated junior officers and enlisted personnel the skills necessary to conduct formal training in a classroom or lab environment. Consists of instruction in planning learning objectives, development of lesson topic guides, instruction methods and techniques, and effective classroom communication with an emphasis on practical applications. Students will give a minimum of four video-taped oral presentations that will be critiqued and later reviewed by the student for enhanced learning and attainment of course objectives. Recommend that this course be taken immediately after completion of either Patrol Craft Hull Maintenance (P145903), Patrol Craft Propulsion Systems Maintenance (P145902), Patrol Craft Propulsion Systems Overhaul (P145907), or Outboard Motor Maintenance and Overhaul (P145906).

**PRE-REQUISITE:**

**COURSE NOTES:** SCOs & FSNs: If you are sending students to this course for 2 weeks only, you MUST advance FULL TLA AMOUNT prior to his arrival. No exceptions. We cannot process payroll in less than 2 weeks. Highly recommended as a follow-on course, "Train the Trainer" model." Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). This course can be taught in English or Spanish, check with IMSO for the right dates.

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| **P145906** | S-062-0009 | U | OUTBOARD MTR MT & OVHL | 8 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

Provides designated junior officers and enlisted personnel the basic and advanced training necessary to operate, maintain and overhaul outboard motors. Consists of instruction in engineering fundamentals, outboard motor design, internal combustion engine theory, electrical and fuel systems, gear case and powerhead overhaul, shop safety, use of hand, power, precision measuring and special tools, sealants, lubricants, cleaning agents, preventive maintenance, and troubleshooting. In amplification of classroom theory, practical application techniques are employed to accomplish course objectives utilizing manufacturer s technical/service manuals and Bombardier two-stroke, 150HP outboard motors as training aids.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P145907** | S-062-0017 | U | DIESEL SYSTEM'S OVERHAUL AND MAINTENANCE (DSOM) | 8 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

Provides designated junior officers and enlisted personnel the advanced training necessary to perform major overhaul of small craft diesel engines. Consists of detailed instruction in 6V92 diesel engine specifications and characteristics, operating principles, lubrication, cooling, air, fuel, and electrical systems, and their interdependent relationship. In amplification of classroom theory, practical application techniques are employed to accomplish course objectives including the complete disassembly, inspection, repair and reassembly of a Detroit Diesel 6V92 engine in accordance with manufacturer s technical/service manuals.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates.

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| **P145909** | S-062-0019 | U | PATROL CRAFT OFFICER RIVERINE (PCOR) | 9 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

To provide students the specialized training necessary to safely and effectively plan and execute patrol craft operations in riverine and littoral environments. Length/Scope: Nine-week course consists of instruction in patrol craft familiarization, first aid, mission planning, navigation, seamanship, the use of GPS, grid maps, radar and night vision equipment, basic communications, principles of board and search, patrol formations, weapons training, patrol craft movement and formations during daylight and night time hours, insertion and extraction of forces, immediate action drills . A final riverine field training exercise is conducted in conjunction with the Patrol Officer's Communication Course to ensure that all students have accomplished course objectives. Special Information: This course is designed for junior officers and enlisted personnel. In addition to the general prerequisites, students should be familiar with small craft operations and be in good physical shape. NAVSCIATTS will issue all students the necessary safety and training equipment required for this course. Students are required to bring a set of boots and at least two sets of camouflaged utilities.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory. This course is designed for junior officers (O-1 to O-3) and all enlisted personnel. Students should be familiar with small craft operations and be in good physical shape. Students are required to bring ONE set of boots and at least TWO sets of camouflaged utilities or equivalent. NAVSCIATTS will issue all students the necessary safety and training equipment required for this course, and PT gear (shorts and shirts only).

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| **P145910** | N/A | U | ADVANCED WELDING TECHNIQUES COURSE (AWT) | 8 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

AWT is designed to provide advanced technical welding skills, metal fabrication, and basic destructive and non-destructive testing skills needed to any military or civilian personnel to perform weld fabrication and testing of steel, aluminum, and stainless steel metal structures. This course provides on-hands training in Shielded Metal Arc (SMAW), Gas Metal Arc (GMAW/MIG), and Gas Tungsten Arc (GTAW/TIG) Welding techniques, equipment set-up and familiarization and Welding Theory. Students will be able to perform weld joint designs on plates and pipes in the vertical, horizontal, and overhead positions with the proper welding specifications that will meet destructive and non-destructive testing.

**PRE-REQUISITE:** Students must be graduates of Technical Welding and Applied Repairs Course and be recommended for the Advanced Welding Techniques Course by NAVSCIATTS. Proof of other Weld School Graduation may suffice if it is equivalent or above. Students must be in good health condition and have good listening, math, reading and comprehensive skills.

**COURSE NOTES:**

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| **P145911** | N/A | U | ELECTRONIC DIESEL CONTROL COURSE (EDCC) | 4 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course provides International Special Operation Forces, selected conventional forces or police personnel with advance training and skills to maintain, operate and troubleshoot Cummins QSC 8.3, Yanmar 6LY and 6LP models, Mercury SmartCraft and HaMilton Jet Propulsion. Students will be evaluated and graded throughout the course to ensure that all students have accomplished course objectives.

**PRE-REQUISITE:** The student previously attended DSOM (MASL-P145907) or certificate for diesel maintenance and overhaul training from military or civilian institution. Students should demonstrate general aptitude to include basic reading comprehension, writing ability, basic computer operation abilities and math skills (up to addition, subtraction, multiplication, and division of fractions/decimals) in their native language. Student comprehension of basic mechanical and specialized tools.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145916** | N/A | U | OUTBOARD MTR MT & OVHL SHORT VERSION | 2 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

Provides designated junior officers and enlisted personnel the basic and advanced training necessary to operate, maintain and overhaul outboard motors. Consists of instruction in engineering fundamentals, outboard motor design, internal combustion engine theory, electrical and fuel systems, gear case and powerhead overhaul, shop safety, use of hand, power, precision measuring and special tools, sealants, lubricants, cleaning agents, preventive maintenance, and troubleshooting. In amplification of classroom theory, practical application techniques are employed to accomplish course objectives utilizing manufacturer s technical/service manuals and Bombardier two-stroke, 150HP outboard motors as training aids.

**PRE-REQUISITE:**

**COURSE NOTES:** Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). Students are required to bring ONE pair of boots and TWO sets of camouflaged utilities. NAVSCIATTS will issue all students PT gear (shirts and shorts only), and all the necessary safety and training equipment required for this course. This course can be taught in English or Spanish, check with IMSO for the right dates.

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| **P145949** | K-060-0010 | U | SWCC ORIENTATION | 3 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

***THIS IS A HIGH RISK COURSE*** The course will prepare SWCC students for the rigors of BCT. Course topics include: -Perform basic physical screen test. -Receive instruction on and perform basic physical training (PT) exercises. -Receive instruction on and complete the NSW obstacle course. -Perform conditioning runs. -Perform the various components of water safety. -Perform basic swimming techniques. -Receive instruction on basic seamanship. -Receive training in Navy core values, mental toughness and confidence building. -Receive training in basic first aid, hygiene and HIV awareness. -Receive instruction on NSW/SWCC History. NOTE: All prospective candidates must have been immunized with HAVRIX (Hepatitis A Vaccine) within 12 months prior to arrival.

**PRE-REQUISITE:** ***THIS IS A HIGH RISK COURSE*** P124084- NSW INTERNATIONAL SOF PHYS TRAINING PREP CRS. IAW MILPERSMAN 1220-340: ENLISTED personnel only, Paygrades E1 - E5; Gender - Male. Have normal color perception and meet medical standards as specified in NAVMED P-117, articles 15-65 [paragraph 8®] and 15-72, and MILPERSMAN 6120-010. Meet minimum performance standards and pass the physical screening test (PST) as outlined in MILPERSMAN 1220-340, Exhibit 1. Have a clear disciplinary record for previous 12 months and be recommended for initial training by member's current CO. Course is UNCLASSIFIED. IMS must be SOF qualified and complete the NSW INTERNATIONAL SOF PHYS TRAINING PREP CRS, MASL P124084. NOTE: All prospective candidates must have been immunized with HAVRIX (Hepatitis A Vaccine) within 12 months prior to arrival.

**COURSE NOTES:** All prospective candidates must have been immunized with HAVRIX (Hepatitis A Vaccine) within 12 months prior to arrival.

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| **P145952** | K-060-0030 | U | NSW BASIC CREWMAN TRAINING (BCT) | 5 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

***THIS IS A HIGH RISK COURSE*** NSW BASIC CREWMAN TRAINING (BCT) THIS IS A HIGH RISK TRAINING Course Description: To provide various personnel with the basic skills, knowledge and cross training in the operation and maintenance of special warfare craft and designed to prepare surface warfare officers and enlisted personnel to perform as members of a maritime special operations force. Scope: To familiarize officers and enlisted personnel in the basic knowledge and skills to operate and employ combatant craft and equipment utilized throughout NSW. Skill Awards: Special Warfare Combatant Crewman NOTE: COURSES ARE LIMITED TO THREE ENGLISH SPEAKING INTERNATIONAL STUDENTS PER CLASS.

**PRE-REQUISITE:** Successful completion of SWCC Orientation Course: K-060-0010 (P145949). Gender: Male. MUST BE A VOLUNTEER. Must pass all portions of physical readiness test and body composition requirements. Certified 2nd class swimmer within past 6 months per MILPERSMAN 6610120.

**COURSE NOTES:**

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| **P145953** | K-060-0032 | U | SWCC CREWMAN QUAL TRNG (CQT) | 20 | PWFC | San Diego, CA 92155-5494 |

**ECL:** 80 **EIMET:** No

To prepare prospective U. S. Naval Special Warfare enlisted personnel to perform as members of a maritime Special Operations Force by providing the knowledge and skills necessary to tactically operate and employ the highly specialized combatant crafts utilized throughout Naval Special Warfare.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P145JT0** | N/A | U | OJT NAVSEA INTL SHIPYARD MGMT | 1 | PNSD | Pearl Harbor, HI 96860-5033 |

**ECL:** 70 **EIMET:** No

This course is for OJT International Shipyard Management in Hawaii provided by NAVSEASYSCOM.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P145JT4** | N/A | U | OJT NAVSEA | 1 | PSWE | Keyport, WA 98345-7610 |

**ECL:** 70 **EIMET:** No

OJT at NAVUNSEAWARCENDIV Keyport WA.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P145JT8** | N/A | U | OJT NAVSEA | 1 | PFAC | Norco, CA 92860-1915 |

**ECL:** 70 **EIMET:** No

OJT at NWASTA CORONA CA.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P148000** | N/A | U | MARINE GAS TURBINE INSPECTOR | 4 | PFTC | San Diego, CA |

**ECL:** 70 **EIMET:** No

Description: Tailored MGTI course (4 weeks in San Diego) for international students. Course includes both classroom and on-the-job training (OJT). A certificate of completion will be granted upon successful completion of a final written and oral examination. The course provides personnel in the gas turbine field who have a fundamental background, the knowledge and skills required to perform the tasks and functions of a Marine Gas Turbine Inspector (MGTI). To successfully complete this course the trainee must demonstrate effective communication skills, troubleshooting procedures, technical assistance, and inspection procedures, through testing, labs and shipboard OJT. This course enables the student to analyze data to develop a troubleshooting plan to recommend repair to a gas turbine engine, perform periodic inspections, and conduct intermediate level repair procedures. The student will also gain insight to periodic maintenance plans and gas turbine intake and exhaust inspection and maintenance requirements. Special Notes: Overalls and safety shoes required for OJT. Quotas: Contact Jim Burns at NSWCCD Philadelphia, (215) 897-7926, james.e.burns@navy.mil . Please note: THE U.S. NAVY DOES NOT CERTIFY INTERNATIONAL STUDENTS IAW OPNAVINST 9220.3

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P148004** | C-602-2043 | U | AIRCREW SURVIVAL EQUIPMENTMAN 'A' SCHOOL | 10.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides Navy, Marine Corps, and other designated personnel with the basic knowledge and skills to perform as Aircrew Survival Equipmentman. Graduates of this course will perform at the apprentice level within Aviation Activities at the Organizational and Intermediate Level. Material covered includes Introduction to Aviation Survival Equipment, Sewing Machines, Rotary Wing, Fixed Wing, Crew Backpack Assemblies and Operations, Parachutes, Seat Survival Kits, and Personnel Flotation Equipment.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P148011** | A-720-0010 | U | REFRIG/AIR COND SYS TECH | 10 | PFC2 | Norfolk, VA 23511 |

**ECL:** 70 **EIMET:** No

Provide selected Machinist s Mate, Enginemen and designated civilian/foreign military personnel with the necessary training and knowledge to effectively operate and maintain shipboard refrigeration and air conditioning systems and equipment. SCOPE: Introduction to basic theory of heat and matter as applied to refrigerants and their effect on refrigeration and air conditioning systems. Identification of refrigeration system components, their principle of operation, adjustments and maintenance to include evaporator pressure regulators, solenoids, valve, pressure and temperature switches, metering devices, water regulating valves, refrigerant valves, condensers, evaporators and compressors. Provide knowledge of maintenance and operation of refrigerant recovery unit as specified in PMS, NAVSHIPS and Manufacturers Technical Manual. Introduction to air conditioning plants and systems to include cooling coils, temperature controls and compressors (reciprocating and centrifugal). Air conditioning system operation and maintenance procedures as specified in PMS, NAVSHIPS and Manufacturers Technical Manual. Air conditioning system troubleshooting and corrective maintenance as applied to chilled water systems. Procedures for refrigerant handling and recovery, stressing EPA guidelines are discussed in all phases of the course. Graduates, military, Civilian and Foreign students will receive the EPA UNIVERSAL CERTIFICATION upon receiving passing grade of self-paced EPA course.

**PRE-REQUISITE:**

**COURSE NOTES:** Course is open to EM, EN, and MM ratings, paygrades E-3 and above.

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| **P148026** | A-702-0019 | U | MACHINERY REPAIRMAN CLAS A | 6.2 | PSS4 | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

Designed to train non-rated personnel striking for the machinery repairman rating and rated personnel E-4 through E-6 who are participating in one of the various rate conversion programs. The course prepares the trainee for general machine shop operations with minimum supervision on various surface ships and shore installations under all general conditions. SCOPE: Principles, practices and techniques for repair work, maintenance, and overhaul; operation of engine lathes, milling machines, drill presses, grinders, and other machine tools; and maintenance and minor repair work on machine tools.

**PRE-REQUISITE:** A working knowledge of mathematics - fractions, decimals, and basic algebra is required.

**COURSE NOTES:** If student is coming direct from country please schedule them to arrive three days before the start of class to take care of administrative needs. Thank you!

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| **P148050** | A-652-0210 | U | CAT DIESEL ENG OVHL TECH | 2.6 | PEW1 | San Diego, CA 92155-5099 |

**ECL:** 70 **EIMET:** No

To provide U.S. Military and selected personnel of the allied military forces the necessary knowledge and skills to safely overhaul, tune-up, operate and troubleshoot the Caterpillar 3126 Series diesel engine at repair facilities ashore and afloat. SCOPE: Classroom instruction on diesel engine systems and theory to include practical instruction concentrating on overhaul, maintenance and troubleshooting of the Caterpillar 3126 diesel engine.

**PRE-REQUISITE:**

**COURSE NOTES:** Available to all rates. All students must be attached to Naval Special Warfare Command or Navy Special boat teams.

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| **P148125** | C-602-2029 | U | ADV SEWING MACHINE REPAIR | 2.6 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides the Aircrew Survival Equipmentman the skills necessary to perform and supervise the maintenance and repair of sewing machines in the naval inventory, at both organizational and intermediate levels of maintenance. The course is group paced instruction. All students receive the technical knowledge and skill training necessary to operate, maintain, and repair sewing machines. Training is in-depth and technical, covers all aspects from theory of operation to timing repair and complete overhaul.

**PRE-REQUISITE:** Graduate of PR A-school or equivalent

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P148230** | C-516-0001 | U | AIRCRAFT WEIGHT & BALANCE | 0.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

To qualify Weight and Balance Officers in preparing and maintaining weight and balance handbooks and associated records as outlined in the Naval Aviation Maintenance Program OPNAVINST 4790.2 (series). This course is designed to provide Aircraft Weight and Balance Officers with training in the concepts, procedures and policies to effectively maintain Aircraft Weight and Balance records, utilizing the OPNAVINST 4790.2 (Series), NA 01-1B-40, NA 01-1B-50 and applicable NATOPS.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P148352** | A-652-0311 | U | DEI TRNG & CERT | 3 | PTC2 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide personnel in the Engineman Rating, paygrade E-7 and above, and Machinist Mate (SS) (Auxiliary) paygrade E-7 and above with training and certification to perform Standardized Diesel Engine Inspections on various Diesel Engines used for Marine Propulsion or Diesel Generator Service above 400 BHP. Course graduates will be able to analyze, interpret, troubleshoot and provide corrective action, orally and in writing on Diesel Administrative support programs; Diesel Engine Components and System Faults or Malfunctions using applicable technical references, logs, records, TYCOM instructions, special tools and instruments. Interpret readings from logs and records to identify or pinpoint potential problem areas. Inspect, measure and interpret dimensions of engine stationary and moving components to determine serviceability. Describe common faults, inspect, interpret and determine serviceability of the following systems: Fuel oil, Lube oil, Cooling water, Intake air, Crankcase ventilation, Exhaust and Starting systems. Analyze, interpret and provide corrective actions on internal and external alignment problems. Describe pre-start and post-start checks and inspections, system and component flushing procedures and instrumentation and safety devices common faults and adjustments. Describe Diesel Engine failure analysis procedures and techniques to analyze various engine components.

**PRE-REQUISITE:** Students will complete an additional two weeks of OJT under MASL P1890JT as follow-on training. PROGRAM T-MASL P1890JT FOR THE ASSOCIATED SHIP BOARD TRNG AT SWRMC San Diego (PFTC) WHEN PROGRAMMING THIS T-MASL.

**COURSE NOTES:**

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| **P148362** | A-670-0043 | U | PHY MEASUREMEN/CALIBRATION | 8.2 | PNT1 | Biloxi, MS 39534 |

**ECL:** 70 **EIMET:** No

Safety regulations require students to wear steel toed shoes. This course requires a background in Algebra and Trigonometric functions; it is recommended to have a scientific/engineering calculator and be knowledgeable in its operation. Pre-entrance exams can be requested by letter from: Commanding Officer, Naval Technical Training Unit, Code 203, 711 Meadows Dr, Suite 201, Keesler AFB, Ms 39534-2498 Comm (228) 377-0618 DSN 597-0618 PURPOSE: Train Navy Enlisted and DOD Civilians in principals, methodology and calibrations to perform as Advanced Calibration Technicians in the Physical, Mechanical and Dimensional areas of Navy Calibration Programs. SCOPE: Personnel are trained in linear, angular, optical, temperature, force, mass and weight, density, viscosity and flow, pressure, torque, rotary motion, humidity and gas analysis. Training includes measurement principals, applied mathematics, use of test equipment and calibration procedures. Course testing is accomplished through progress checks and written measurement. Application and calibration of test equipment included: Portable Pressure Testers, Dead Weight Testing Systems, Load Cells, Theodolites, Surface Plates and Mercury Vapor Sniffers. A pre-entrance test is required to be completed prior to enrollment in this course.

**PRE-REQUISITE:** MILITARY: With field/fleet experience assigned Navy Mechanical Instrument Repair and Calibration Shops (MIRCS) or Fleet Mechanical Calibration Laboratories (FMCL). CIVILIAN: DOD civilians who are or will be assigned in the precision physical/dimensional measuring field at Naval shipyards and repair facilities. Civilian skills or training should be equivalent to IM (A) School graduates. All personnel are required to pass a pre-entrance exam within 12 months prior to CLSCVN.

**COURSE NOTES:** Highly recommend international students attend MASL P148363

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| **P148363** | C-198-2011 | U | ADV CALIBRATION TECH | 10.2 | PNTK | Biloxi, MS 39534-2498 |

**ECL:** 70 **EIMET:** No

Provides technical training in advanced electronic calibration concepts including theory, application and operation of test equipment and standards. Use and calibration of test equipment and standards for resistance, impedance, voltage, current, frequency, signal generation systems, power, and attenuation, including theory pertaining to fixed and swept measurements at microwave frequencies.

**PRE-REQUISITE:** COURSE 198-6671, GPETE REPAIR/CAL or SKILL NEC-6673 and OTHER DOD civilian personnel must have the skills or training equivalent to graduates of C-198-6671 with a minimum of 12 months electronic calibration experience prior to class convening. MC MOS-2871 with 12 months obligated service time remaining and be a Corporal or above. MC MOS-6492 with 12 months obligated service time remaining and be a Corporal or above. Lance Corporals may be waived into the course if they possess 12 months electronic calibration experience (MATMEP Level III documented) prior to class convening. Submit waivers to the CNATTU Calibration marine Liaison for consideration.

**COURSE NOTES:** Highly recommended international students attend MASL P139340

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P148378** | C-602-2040 | U | PPL AIRCREW SURV EQUIP PR | 8.8 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

Provides Aircrew Survival Equipmentman the skills necessary to perform and supervise the maintenance of aviators equipment and systems at the organizational and intermediate levels of maintenance. This is a pipeline made up of C-670-2018, C-602-2027, and C-602-2028. The course is group-paced instruction. All students receive the technical knowledge and skill training necessary to operate, maintain, and repair: oxygen systems component test stands; panel mounted and personnel mounted oxygen regulators; aviators breathing oxygen surveillance program; liquid oxygen converters and seat survival kits.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233

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| **P148380** | A-491-0017 | U | OIL ANALYSIS PROG PHY PROP | 4.4 | PNTP | Pensacola, FL 32508-5113 |

**ECL:** 70 **EIMET:** No

"Defense Joint Oil Analysis Program Physical Properties Testing" Provides selected personnel, Aviation Machinist s Mates (AD), Boiler Technicians (BT) and/or civilian equivalent (Chemist and Physical Science Technicians), with the required training in the principles and evaluation techniques necessary to perform spectrometric analysis of used oils for wearmetal content. These duties are usually performed in a shop/lab environment on shore stations as well as aboard ships. Includes principles for spectroscopy; physical properties testing and ferrography testing; wear patterns; types of failures; wearmetals; non-wearmetals; characteristics and operator maintenance of atomic emission spectrometer equipment; standardization and operation of the AE spectrometer; recording, interpreting and recommending actions on oil analysis results; laboratory procedures; and the correlation of the certification program.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign Student personnel report to International Military Training Office, Building 3460, RM 1233.

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| **P149000** | CIVCONTR | U | CM1/2 PREVENTIVE AND CORRECTIVE MAINTENANCE | 10 | PMTA | Novi, MI 48377 |

**ECL:** 70 **EIMET:** No

Course of instruction for students to learn engine design and function; how to operate the engine and related systems; how to identify and rectify minor faults; how to perform preventive and corrective maintenance tasks; and how to exchange engine subassemblies.

**PRE-REQUISITE:** Technical understanding; Knowledge of course language

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149010** | N/A | U | PORT ENGINEERING COURSE | 4 | PUCG | Baltimore, MD 21226 |

**ECL:** 80 **EIMET:** No

This course is for personnel with a maritime engineering background and is designed to provide specialized education and training to enhance the theoretical knowledge and practical skills of engineers to deal with engineering problems in a maritime and coastal environment. Training begins in the classroom and includes practical exercises. Students also learn hands-on techniques in the classroom and laboratory in subjects such as Surface Forces Logistics Center and Product Line Organizational Structure, Preparing for a Maintenance Period, Engineering Administration, Fundamentals of Project Management, Weld Inspections/Non-Destructive Testing, and Dry-docking and Shaft Alignment. The course will ultimately provide engineers the fundamental knowledge to carry out depot level maintenance. Fundamentals include general engineering administration, development of Current Ship's Maintenance Projects, maintenance tracking through the Naval Engineering Project List, condition found report, change requests, independent government estimates, ship propulsion system alignment, dry-docking fundamentals and safety, welding principles and non-destructive testing. Upon completion engineering students will receive certification from the National Association of Corrosion Engineers for Corrosion Inspector Program, Level 1. Target Audience: International Students

**PRE-REQUISITE:** Students should be screened for requisite judgment, maturity, attitude, and aptitude. Students should be prepared for and expect a mentally demanding course and should be in good physical condition to stand and work in prolonged practical academic exercise environments.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P149013** | CIVCONTR | U | COURSEWARE MAINTENANCE TRAINING | 1 | PGEN | Chesapeake, VA 23320 |

**ECL:** 70 **EIMET:** No

Contractor will provide a one week (5days) course to three (3) students on courseware administration and maintenance. The course will give the students the knowledge how to develop and publish changes to the courseware package, take care of the LMS administrative tasks, etc. to include: Courseware Design Theory Flash Programming, Flash development IVONA production Lectroa programing, Lectora publishing SCORM packaging Moodle upload Students shall retain a copy of all courseware material used during the training. One clean electronic copy of the training will also be provided, and a certificate of training will be provided to each student. The contractor shall be responsible for providing all necessary computing platforms and software needed to conduct the training.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149015** | CIVCONTR | U | CM3/4 MECHANICAL AND BASE MAINTAINER | 1 | PMTA | Novi, MI 48377 |

**ECL:** 70 **EIMET:** No

Course of instruction for student to learn how to replace camshaft and camshaft bearing; how to replace crankshaft and crankshaft bearing; how to perform overhaul tasks on core engine; and how to create measurement sheets

**PRE-REQUISITE:** CM1/2 Preventive and Corrective Maintenance (P149000) Technical understanding; knowledge of course language; experience in reading drawings and tolerances; and experience in handling measuring equipment

**COURSE NOTES:**

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| **P149022** | C-101-0817 | U | TACTICAL SUPPORT COMMUNICATIONS MAINT (TSCOMM) | 6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion ofthis course, Electronic Teclmicians will have sufficient knowledge and skills to operate and maintain the Tactical Support Communications (TSCOMM) system. These journeyman level skills will be performed under limited supervision following all safety precauitons at the organizational level using technical manuals in both field and shop conditions ashore. SCOPE: Instruction includes TSCOMM system introduction, MT-32 voice communication subsystem, RMSA-2000/SA-2772 redundant matrix assembly, RF-300M (AN/PRC-117G) radio set operations, AN/USC-54(V) VME Integrated Connnunication System (VICS), and TMR-8092 dual high frequency system .

**PRE-REQUISITE:** Course content is SECRET and taught in a secured facility; a SECRET clearance is required to attend this training and for entry into training building.

**COURSE NOTES:**

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| **P149023** | C-101-0030 | U | GLOBAL BROADCAST SERVICE (GBS) MAINTENANCE | 1 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Electronics Technician will have sufficient knowledge and skills necessary to operate and maintain the Global Broadcast Service (GBS) system. These journeyman level skills are to be performed under limited supervision utilizing knowledge of Maritime Patrol and Reconnaissance Aircraft (MPRA) mission planning, federated applications, and external databases and programs while globally deployed to operating locations ashore. SCOPE: Instruction includes system introduction, system assembly, system operation, system disassembly, preventive maintenance, fault isolation, and corrective maintenance

**PRE-REQUISITE:** Course content is SECRET and taught in a secured facility; a SECRET clearance is required to attend this training and for entry into training building.

**COURSE NOTES:**

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| **P149034** | C-102-0132 | U | TACMOBILE TACMASS MAINTENANCE | 6.4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Electronics Technician will have the knowledge and skills to operate and maintain the Tactical Mobile Acoustic Support System (TacMASS). These journeyman level skills will be performed at Tactical Operations Center/Mobile Tactical Operations Center (TOC/MTOC) units under limited supervision following all safety precautions in the TOC/MTOC while globally deployed to operating sites ashore. SCOPE: Instructions includes system overview, Tactical Mobile Acoustic Support System (TacMASS) operation, and TacMASS preventive and basic corrective maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P149035** | TACMOBILE HF | U | TACMOBILE HF | 2.2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Electronics Technician will have sufficient knowledge and skills to operate and maintain the various configurations of the TMR-8092 High Frequency Communication System to the organizational level, including preventive and corrective maintenance, using hardware, software, and written procedures as described in associated technical manuals. These journeyman level skills will be performed at mobile units with limited supervision following all safety precautions using organizational technical manuals in both field and shop conditions ashore. SCOPE: Instruction includes High Frequency propagation theory, system introduction, technical resources, major components, setup and teardown, voice communications, ALE communications, CRATT communications, HFIP communications, remote operation and configuration, and maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149036** | C-101-0046 | U | TACMOBILE PRC-117G | 1 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Mobile System senior leadership and personnel who make up the mobile system teams will have sufficient knowledge and skills required to operate and maintain the AN/PRC-117 VHF/UHF radio system. These journeyman level skills are to be performed under limited supervision utilizing knowledge of mobile systems theory, mission requirements, system equipment, and logisitics support while globally deployed to operating locations ashore. SCOPE: Instruction includes introduction to the VHF/UHF radio system, technical resources, Line-of-Sight (LOS) and Satellite Communication (SATCOM) theory, LOS fixed frequency operation, dedicated SATCOM operation, Demand Assigned Multiple Access (DAMA) SATCOM operation, and maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149061** | A-100-0072 | U | MINI ELECT REPAIR(SURFACE) | 4 | PNAB | Norfolk, VA 23511 |

**ECL:** 80 **EIMET:** No

Provides qualified maintenance personnel with sufficient knowledge and skills to perform high quality and high reliable solder connections on complex circuit card assemblies (CCAs) at the Organization (O) and Intermediate (I) maintenance levels. SCOPE: Includes 2M Program overview, program safety, 2M station operation and maintenance. Miniature electronic repair is the repair of single and double sided CCAs, and includes removal and replacement of discrete and multi-leaded components, removal and application of conformal coatings, wiring and soldering of various terminals or connectors, removal and replacement of damaged conductors and board laminate. Miniature repair also covers electrostatic discharge (ESD) familiarization and handling procedures to minimize ESD risks to the CCAs. NOTES: Basic Soldering equivalent experience is recommended. Contact Lens wearers are recommended to bring eyeglasses. Female Candidates: Due to handling of lead, pregnant femails should not be considered for enrollment.

**PRE-REQUISITE:** All candidates must meet the following minimum visual requirements which may be met with corrected visions (glasses/contact lenses): A. Far Visiion: Snellen Chart 2-/50. B. Near Vision: Jaeger 1 at 14 inches, or reduced Snellen 20/20 equivalent. C. Color Vision: Ability to distinguish red, green, blue and yellow colors as prescribed by Boorline Charts, Ishihara Plates or ADD-HRR Test. Depth Perception: Titmus Stereo Circle Chart or equivalent. Personnel must be from an electrical background. All students must be capable of performing very intricate and delicate work using tools similar to dental tools.

**COURSE NOTES:** Quotas for this training at FLETRACEN Norfolk are controlled by NAVSEA (CDP 350t) (MASL P149061) and NAVAIR (CDP 439C) (MASL P149064).

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|---|---|---|---|---|---|---|
| **P149112** | C-600-3292 | U | CORROSION CONTROL UNIT | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, maintenance personnel will have sufficient knowledge of the 65A102-J1 Jet Engine Corrosion Control Cart including unit familiarization, safety and operational procedures, to operate it, under supervision, in preparation for certification as licensed operators. For additional information, please refer to OPNAVINST 4790.2H, Chapter 17. SCOPE: This course content includes the following Units of Instruction: 1. Familiarization of the Jet Engine Corrosion Control Cart 2. Preoperational Inspections, Documentation, Safety Requirements 3. Organizational Maintenance (Phase I)

**PRE-REQUISITE:** Valid State Driver's License or U.S. Government Motor Vehicle Operator's Identification Card (OF-346).

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P149113** | C-600-3335 | U | STATIC FREQUENCY CONVERTER | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected DOD personnel will have sufficient knowledge of the Static Frequency Converter (SFC), A/M24M-5. SCOPE: The course content will include the following units of instruction: 1. Familiarization of the A/M24M-5 Static Frequency Converter (SFC). 2. Preoperational inspection, documentation, and safety precautions. 3. Organizational maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149114** | C-600-3334 | U | TOW TRACTOR | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected DOD personnel will have sufficient knowledge of the Mid Range Tow Tractor (MRTT) A/S32A-45, including unit familiarization, safety and operational procedures, to operate it under supervision, in preparation of certification as licensed operators. SCOPE: The course content will include the following units of instruction: 1. Familiarization of the Mid Range Tow Tractor (MRTT) A/S32A-45. 2. Preoperational inspection, documentation, and safety precautions. 3. Organizational maintenance (Phase I).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149115** | C-600-3233 | U | LIGHT CART | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected Department of Defense Personnel will have sufficient knowledge of the A/M42M-2A Portable Floodlight Set including unit familiarization, safety and operational procedures, to operate it under supervision, in preparation of certification as licensed operators. For additional information, please refer to OPNAVINST 4790.2H, Chapter 17. SCOPE: The course content will include the following Units of Instruction: 1. Familiarization of A/M42M-2A Portable Floodlight Set 2. Preoperational Inspection, Documentation, and Safety Precautions 3. Organizational Maintenance (Phase 1)

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149116** | C-600-3220 | U | MOBILE ELECTRIC POWER PLANT | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected Department of Defense (DOD) personnel will have sufficient knowledge of the NC-10B1/C Mobile Electric Power Plant, including unit familiarization, safety and operational procedures, to operate it under supervision, in preparation for certification as licensed operators CNET has concrred, that obtaining all the UICs, CDPs etc. required to make the NITRAS entries, with no training feedback, would be a waste of time and money. For additional information, please refer to OPNAVINST 4790.2H, Chapter 17. SCOPE: The course content will include the following Units of Instruction: 1. Familiarization of the NC-10B1/C Mobile Electric Power Plant. 2. Preoperational Inspection, Documentation and Safety Precautions 3. Organizational Maintenance.

**PRE-REQUISITE:** Valid State Driver's License or U.S. Government Motor Vehicle Operator's Identification Card (OF-346).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149117** | C-600-3248 | U | HYDRAULIC TEST STAND | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected Department of Defense (DOD) personnel will have sufficient knowledge of the Test Stand Aircraft Hydraulic System A/M27T-6 including unit familiarization, safety and operational procedures, to operate it, under supervision, in preparation for certification as licensed operators. For additional information, please refer to OPNAVINST 4790.2H, Chapter 17. SCOPE: The course content will include the following Units of Instuction: 1. Familiarization of the Test Stand Aircraft Hydraulic System A/M27T-6 2. Preoperational Inspections, Documentation, and Safety Precautions 3. Organizational maintenance (Phase 1)

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P149118** | C-600-3225 | U | NITROGEN SERVICING TRAILER | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected Department of Defense (DOD) personnel will have sufficient knowledge of the A/M26U-4 Nitrogen Servicing Unit including unit familiarization, safety and operational procedures, to operate it, under supervision, in preparation for certification as licensed operators. For additional information, please refere to OPNAVINST 4790.2H, Chapter 17. SCOPE: Familiarization, Preoperational, Safety Precaution Requirements and Phase I Organizational Maintenance.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149119** | C-600-3272 | U | NITROGEN HAND TRUCK | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected Department of Defense (DOD) personnel will have sufficient knowledge of the Nitrogen Servicing Units NAN-2/2A/3 and 3000 PSI Portable Nitrogen Cylinder including unit familiarization, safety and operational procedures to operate them, under supervision, in preparation for certification as licensed operators. For additional info, please refer to Chapter 17, OPNAVINST 4790.2H. SCOPE: The course content will include the following Units of Instruction: 1. Familiarization of the Nitrogen Servicing Units and 3000 PSI Portable Nitrogen Cylinder. 2. Preoperational Inspection, Documentation, and Safety Precautions. 3. Organizational Maintenance (Phase I).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149120** | C-600-3227 | U | A/M27T-14 ELECTRIC HYDRAULIC POWER SUPPLY | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

After completion of this course, all selected DoD personnel will have sufficient knowledge of the Electric Hydraulic Power Supply, including unit familiarization, safety and operational procedures to operate it under supervision in preparation of certification as licensed operators. SCOPE: Course content will include the following units of instruction: 1. Familiarization of the Electric HPS A/M27T-14. 2. Preoperational inspection, documentation, and safety procedures. 3. Organizational maintenance (Phase 1).

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149121** | C-600-3338 | U | A/M25T-15 DIESEL HYDRAULIC POWER SUPPLY | 0.2 | PFRC | NAS Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, all selected DOD personnel will have sufficient knowledge of the Diesel Hydraulic Power Supply, including unit familiarization, safety and operational procedures, to operate it under supervision in preparation of certification as licensed operators. SCOPE: The course content will include the following units of instruction: 1. Familiarization of the Diesel HPS A/M27T-15. 2. Preoperational inspection, documentation, and safety procedures. 3. Organizational maintenance (Phase I).

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P149176** | A-100-0072 | U | MINI ELECT REPAIR | 4 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To provide qualified maintenance personnel with sufficient knowledge and skills to perform high quality and high reliable solder connections on complex circuit card assemblies(CCAs) at the Organization (O) and Intermediate (I) maintenance levels. SCOPE: Includes 2M Program overview, program safety, 2M station operation and maintenance. Miniature electronic repair is the repair of single and double-sided CCAs. Includes removal and replacement of discrete and multileaded components, removel and application of conformal coatings, wiring and soldering of various terminals or connectors, removel and replacement of damage conductors and board laminate. Miniature repair also covers electrostatic discharge (ESD) familiarization and handling procedures to minimize ESD risks to the CCAs.

**PRE-REQUISITE:** Personnel in technical electronic/electrical ratings completing (A) School and all civilians with equivalent training. (Security clearance may vary by location based upon area/building in which taught. See annual schedule of courses for a particular location.) All students must be capable of performing very intricate and delicate work using tools similar to dental tools. All candidates must meet the following minimum visual requirements which may be met with corrected vision: A. Far Vision: Snellen Chart 2-/50. B. Near Vision: Jaeger 1 at 14 in., or reduced Snellen 20/20 equivalent. C. Color Vision: Ability to distinguish red, green, blue and yellow colors as prescribed in Boorline Charts, Ishihara Plates or ADD-HRR Test. D. Depth Perception: Titmus Stereo Circle Chart, or equivalent. NOTES: a. Basic Soldering or equivalent experience is recommended. B. Contact Lens wearers are recommended to bring eyeglasses. C. Female candidates: due to handling of lead, pregnant females should not be considered for enrollment.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149242** | A-100-0072 | U | MINI ELECT REPAIR | 4 | PMAY | Mayport, FL 32227 |

**ECL:** 70 **EIMET:** No

To provide qualified maintenance personnel with sufficient knowledge and skills to perform high quality and high reliable solder connections on complex circuit card assemblies (CCAs) at the Organization (O) and Intermediate (I) maintenance levels. SCOPE: Includes 2M Program overview, program safety, 2M station operation and maintenance. Miniature electronic repair is the repair of single and double-sided CCAs. Includes removal and replacement of discrete and multileaded components, removel and application of conformal coatings, wiring and soldering of various terminals or connectors, removel and replacement of damage conductors and board laminate. Miniature repair also covers electrostatic discharge (ESD) familiarization and handling procedures to minimize ESD risks to the CCAs.

**PRE-REQUISITE:** Personnel in technical electronic/electrical ratings completing (A) School and all civilians with equivalent training. (Security clearance may vary by location based upon area/building in which taught. See annual schedule of courses for a particular location.) All students must be capable of performing very intricate and delicate work using tools similar to dental tools. All candidates must meet the following minimum visual requirements which may be met with corrected vision: A. Far Vision: Snellen Chart 2-/50. B. Near Vision: Jaeger 1 at 14 in., or reduced Snellen 20/20 equivalent. C. Color Vision: Ability to distinguish red, green, blue and yellow colors as prescribed in Boorline Charts, Ishihara Plates or ADD-HRR Test. D. Depth Perception: Titmus Stereo Circle Chart, or equivalent. NOTES: a. Basic Soldering or equivalent experience is recommended. B. Contact Lens wearers are recommended to bring eyeglasses. C. Female candidates: due to handling of lead, pregnant females should not be considered for enrollment.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P149302** | J-690-0029 | U | UNREP E/E CONTROLS MAINT | 3 | PNA1 | Virginia Beach, VA 23459 |

**ECL:** 70 **EIMET:** No

To provide training in the maintenance, operation and repair of UNREP electrical and electronic control systems. To provide training in maintenance, operation and repair of the STANDARD ELECTRONIC MODULES (SEM) controller for 4th generation tension and speed winches. The first week of instruction is designed to provide the student with basic knowledge in cargo and fuel STREAM operations as well as a fundamental understanding of hydraulic theory. Also provided are necessary alignment procedures for the STANDARD ELECTRONIC MODULES (SEM) electronic controls for the 4th Generation Highline Winch. The second week of instruction is designed to provide the student with the necessary skills and related knowledge to troubleshoot, repair, maintain, and align UNREP Electrical Electronic controls of the 4th generation tension winches. Basic knowledge of the Ram tensioner, Ram position indicator, and Automatic Ram controls are also included. The third week of instruction provides the student with the necessary skills to maintain and troubleshoot the electrical control for the Electric Drive/RAM Drive (HPU) sliding block, three speed/two speed Saddle winches. Basic knowledge of the Ram tensioner, Ram position indicator, and Automatic Ram controls are also included. The student will acquire knowledge in electro-hydraulic closed loop servo systems. NEC 4668 will only be granted with satisfactory completion of the three week course.

**PRE-REQUISITE:** An individual will be disqualified immediately if he/she: 1. Has had in the last ten days or is currently being treated for pneumonia, bronchitis or asthma. 2. Has any fractures, sprains, splints or casts. 3. Is pregnant. The following conditions require evaluation by a corpsman and decision rendered regarding training suitability prior to an individual s participation: 1. History of heart disease or stress related chest pain. 2. Current nasal congestion or an ear, nose or throat infection. 3. Within ten days of post operative procedure (minor surgery). 4. Taking any medications. 5. On limited/light duty or had a tooth extraction within the last seventy-two hours. 6. History of prior heat exhaustion or heat stroke. 7. Any other condition that may affect ability to complete the course. 8. Unable to participate in or complete the PRT, or does not meet body fat requirements.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149303** | J-690-0028 | U | UNREP MECH & HYD COMP MT | 7 | PNA1 | Virginia Beach, VA 23459 |

**ECL:** 80 **EIMET:** No

This course has been designed to provide students from the Machinist s Mate (MM) and Engineman (EN) ratings, E-4 through E-9, with the knowledge and skills necessary to maintain, troubleshoot and repair underway replenishment equipment and hydraulic systems aboard underway replenishment ships, under normal and emergency condition. The Underway Replenishment (UNREP) Mechanical and Hydraulic Component Maintenance Course is group-paced and is divided into two phases with practical hands-on instruction with selected components. Phase I includes training (theory and practice) in basic hydraulics (first 3 weeks). Phase II consists of training for various hydraulic transmissions and components, including: Navy Standard Denison (NST-D), Navy Standard Vickers (NST-V) and 4th Generation Denison. This course is designated High Risk by NPDCINST 1500.1 .

**PRE-REQUISITE:** Medical screening by parent command is required prior to arrival to ensure individuals are medically qualified to participate in the course. Orders must be stamped or typed with "MEDICALLY QUALIFIED". An individual will be disqualified immediately if he/she: 1. Has had in the last ten days or is currently being treated for pneumonia, bronchitis or asthma. 2. Has any fractures, sprains, splints or casts. 3. Is pregnant. The following conditions require evaluation by a corpsman and decision rendered regarding training suitability prior to an individual's participation: 1. History of heart disease or stress related chest pain. 2. Current nasal congestion or an ear, nose or throat infection. 3. Within ten days of post operative procedure (minor surgery). 4. Taking any medications. 5. On limited/light duty or had a tooth extraction within the last 72 hours. 6. History of prior heat exhaustion or heat stroke. 7. Any other condition which may affect ability to complete the course. 8. Unable to participate in or complete the PRT; does not meet body fat requirements. Steel-toed shoes required. Coveralls encouraged.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P149310** | A09DPG1 | U | DIGITAL WIDEBAND TECHNICIANS COURSE | 13 | PMGA | FT Gordon, GA 30905-5221 |

**ECL:** 80 **EIMET:** No

Provides training in the operation, troubleshooting, alignment and maintenance of the multi-channel, long-haul, Tactical Satellite (TACSAT) communications terminals, AN/USC-65(V)1, AN/USC-65(V)2, AN/TSC-156C, AN/TSC-154 and AS-4429, as well as all associated equipment. Students will receive a background in satellite communications to include terminology, DSCS Satellite Systems, overall system signal flow, antenna tracking and control, radio fundamentals associated with satellite communications and modulation principles. Baseband and multiplexing principles to include equipment programming, patching and configuration will follow. The course will cover identifying and correcting configuration errors in components and identifying faulty components in satellite communications systems.

**PRE-REQUISITE:**

**COURSE NOTES:** International students approved on a case by case basis only. Disclosure requests must be submitted through foreign disclosure channels and approved prior to student arrival. Countries should only consider sending students to this course if they own and use US military satellite equipment.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P14JT01** | N/A | U | OJT AV8B O/I LEVEL MAINT | 1 | VAR | |

**ECL:** 70 **EIMET:** No

Provides managed on the job training at the organizational and/or intermediate level for AV-8B maintenance personnel.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P151001** | S- 8A-0004 | U | PLANNING JOINT LOG OVER-THE-SHORE (JLOTS) OPS | 0.4 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

The purpose of this course is to train officers and senior enlisted personnel to conduct the detailed planning and execution of JLOTS operations. Scope. The planning and execution of the JLOTS includes two days of classroom training in which the trainee will demonstrate their knowledge and skills by participation in various classroom exercises, in accordance with Joint Tactics, Techniques and Procedures for JLOTS (Joint Pub 4-01.6). The capstone for this course is an actual student-led and performed planning exercise for a JLOTS operation.

**PRE-REQUISITE:**

**COURSE NOTES:** West Coast training personnel report to Expeditionary Warfare Training Group Pacific, Building 207, NOT LATER THAN 0700 of Class Convening (CLCVN) day. East Coast training personnel report to the EWTGPAC Senior Instructor at ACB-2, Naval Amphibious Base, Little Creek, VA not later than 0630 of CLCVN day. INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork.

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|---|---|---|---|---|---|---|
| **P152001** | N/A | U | SENIOR STOREKEEPER MANAGEMENT | 14 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 70 **EIMET:** No

Provide a comprehensive overview of senior storekeeper management practices and logistics applications to include: Logistics and supply operations terminology, customer relations and service operations, material id and technical assistance processes, inventory management, special and controlled materials management, supply operations reports and metrics responsibilities.

**PRE-REQUISITE:** This T-MASL captures only the NITC overhead portion of the training. The Contractor portion (T-MASL P366CS8) with associated costs must also be programmed.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P152003** | A- 8B-0015 | U | INTERNATIONAL OFFICER SUPPLY COURSE (IOSCO) TRAVEL | 3 | PINP | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

IMS MUST BE ENROLLED IN P152011 (IOSCO Resident) to attend. The course includes visits to operating sites for additional seminars, briefings, and tours of logistics facilities to reinforce theory and practices learned in IOSCO Resident Coursework. Briefs and tours conducted by NAVSUP WSS, Fleet Logistics Center (FLC-Norfolk), DLA, and various supply and logistics organizations in the mid-Atlantic Area. The class will visit Naval Supply Systems Command, Weapon Systems Support - Foreign Directorate in Mechanicsburg and Philadelphia, PA to allow students to meet with subject matter experts in Navy FMS cases, Country Program Managers, Security Assistance Field Representatives, and receive briefs on current business practices of NAVSUP WSS-OF concerning FMS support. Included in the travel is a Field Studies Program visit to Washington, D.C. Students will return to Newport for graduation and departure. Students will return to Newport for graduation and departure. Notes: Course begins and ends at Newport, Rhode Island.

**PRE-REQUISITE:** This is not a stand alone course and must be completed concurrently with P152011 - IOSCO Resident Course (P152011). International Officers only, grade O-1 to O-4, waivers available for civilian students.

**COURSE NOTES:** This training is part of the IOSCO pipleline and occurs during instruction under P152011, the IOSCO RESIDENT COURSE. This course begins and ends at Newport, Rhode Island. Please contact NSCS_NWPT_IMSO@navy.mil to make arrangements for arrival. Field Studies Locations: Naval Station Newport, RI - Navy Supply Corps School (PSC3) is the start and end-point of the course, although most of the three-week course is conducted on travel (Mechanicsburg, PA, Washington, DC, Norfolk, VA, Baltimore, MD and Philadelphia, PA).

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P152007** | A-551-1014 | U | LS-A SCHOOL | 6 | PMER | Meridian, MS 39309 |

**ECL:** 70 **EIMET:** No

To provide enlisted Navy personnel, fleet returnees, Military Sealift Command (MSC) personnel, and International Military Students (IMSs) under the Security Assistance Training Program (SATP) the knowledge and skills necessary to perform the basic job tasks required by the Storekeeper rating. SCOPE: Students will accomplish the following learning objectives through self-paced computerized training via Navy Knowledge Online (NKO). Instruction is fairly intensive and contains practical exercises throughout. Topics include: Supply administration; material identification; material procurement; material receipt, stowage and handling; basic inventory management afloat; financial management; COSAL; SUADPSRT; SNAP II, Navy Supply System, customer service, Navy correspondence, material identification and procurement, basic OPTAR accounting, material receipt, stowage and inventory control utilizing the Integrated Barcode System (IBS), supply forms, basic supply acronym and Military Standard Requisitioning and Issue Procedures (MILSTRIP) for effective performance as an apprentice storekeeper under supervision. Graduates of the course will perform these job tasks in Navy, computer-oriented, supply support environments for surface, submarine, shore duty or reserve communities. Special Note: This is a self-paced course taught in a computer based environment in a classroom with a facilitator, therefore the duration of the training may vary. Students will be required to log on to Navy Knowledge Online (NKO) in order to participate in the course of instruction. The IMSO will ensure students are registered for access to NKO on their first day of reporting and student access to the course may be delayed until NKO account is created.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P152010** | A- 8B-0012 | U | SUPPLY CORPS OFF BAS QUAL (BQC) | 19 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

The objective of the Basic Qualification Course is to prepare newly commissioned Supply Corps Officers, and other officers who may be ordered for this instruction, in the professional duties of supply officers and in their duties as naval officers. This course provides detailed job related technical instruction while encouraging the formation and use of desirable attitudes and characteristics. Scope: The Basic Qualification course is an in-depth study of the Supply System encompassing the following major areas of afloat supply department: supply management (automated system); food service; retail operations; disbursing management; and personnel leadership. The student will, through the use of practical exercises, practice sets, and exams, demonstrate the ability to complete and post all forms and files in each functional area. In addition to this, the student will demonstrate his ability to audit and correct problem areas posed in exercise situations. Included also in the course is a brief introduction to afloat automated data processing and quantitative management techniques.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is a prerequisite for Division Offier Leadership Course, T-MASL P162017, and is not offered as a stand-alone course. Please ensure that the IMS is scheduled for the P162017 course.

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|---|---|---|---|---|---|---|
| **P152011** | A- 8B-0014 | U | INTERNATIONAL OFFICER SUPPLY CRS (IOSCO) RESIDENT | 6 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

The course is designed to familiarize students with the organizational structure of the United States Government, United States Navy, Navy Supply Systems Command (NAVSUP), Defense Logistics Agency (DLA), and the relationship to the Foreign Military Sales (FMS) process. IOSCO addresses the Logistics Supply Chain, defined as identifying, locating, ordering and tracking assets. Assists International Customers develop a process-oriented working knowledge of Department of Defense web-based logistics systems. Included in the course is material identification, catalog systems, FMS requisitioning procedures, all aspects of the Security Cooperation Information Portal (SCIP) and other computer and web-based tools for customer support. Course also provides a detailed overview of Acquisition Logistics, Allowance Models and Integrated Logistics Support (ILS), with a focus on weapons systems support to include study of math models for outfitting and determining allowances quantities. The course also discusses ship transfer and shipyard procedures, and specific allowance determination for the FMS customer.

**PRE-REQUISITE:** Students must also enroll in IOSCO TRAVEL (P152003) in order to complete interim training - see Internaltional Notes.

**COURSE NOTES:** International Officers only, grade O-1 to O-4, waivers available for civilian students. This course begins and ends at Newport, Rhode Island, but has interim training requiring travel away from the main training location. See P152003, IOSCO TRAVEL.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P152013** | PSP MU | U | DOD SHELF LIFE TRAINING COURSE (MU) | 0.6 | PSP | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

To provide comprehensive instruction on Shelf-Life policy and to explain standard practice in the management and storage of Shelf-Life material at the managing activity and depot level. To ensure maximum benefits for government resource investments by training personnel to properly apply mandatory storage standards criteria in evaluating the condition of Shelf-Life material upon receipt, in storage, during surveillance, upon shipment, and when test or restorative actions are required to maintain or return stocks to a ready-for-issue status. To provide training to the use of the on-line, real-time Material Quality Control Storage Standards (MQCSS), and the Quality Status List (QSL) programs, and their role in Shelf-Life management. Primary authority is prescribed by DOD 4140.27-M, Shelf-Life Item Management Manual. Scope: The course content sets forth the policy, principles, standards, instructions, functions, and procedures that apply for management, identification, care, and storage of Shelf-Life items. The course modules are designed to provide personnel with applicable regulatory guidance for quality control and inspection functions related to the following areas: Receipt inspection/processing; Scheduling of storage surveillance Inspections; Inspection marking requirements; Lab testing; Preparation of documentation; Shipment and disposal of Shelf-Life material. The course includes a comprehensive review of the DOD Shelf-Life Management Manual, SLES, MQCSS, and QSL programs. Additionally, the course covers Shelf-Life types and codes and outlines the inspection/restorative actions required to maintain and/or return stocks to a usable status.

**PRE-REQUISITE:** Students should be working with Shelf-Life material in one of the following areas: inventory management, procurement, provisioning, engineering, stock control, receipt, storage, surveillance, and issue.

**COURSE NOTES:**

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| **P152014** | N/A | U | EXPEDITIONARY LOGISTICS AND SUPPLY (ELS) | 4 | PNST | Stennis Space Center, MS 39529 |

**ECL:** 70 **EIMET:** No

This course provides senior level Special Operation (SOF) and supply department personnel the training necessary to effectively manage supply operations for small and medium size expeditionary detachments whose mission includes conducting supply management ashore and afloat for expeditionary units and in austere environments. Primary focus will include supply principles of inventory control, material receipt, storage, material identification and classification, procurement, expenditure and accounting, and military assistance supply procedures.

**PRE-REQUISITE:** Students attending the SOFELS course must have basic computer skills with specific knowledge in Microsoft Office, be able to calculate basic mathematic equations, have 20/20 vision correctable, be physically fit, and be able to lift a minimum of 40lbs overhead.

**COURSE NOTES:**

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| **P152030** | A- 8B-0055 | U | INTRO TO EXPED LOGISTICS (INTROEXPLOG)-IEL | 2 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

This two-week course provides senior enlisted personnel and officers an overview of the Joint Planning Process, the Joint and Naval Logistics chain of command and specific issues and concerns related to operating in a deployed environment. The "issues and concerns" segment includes discussions on personnel management, expeditionary logistics, expeditionary contracting, petroleum management, supply support and host nation support. The course is taught as a seminar with technical experts flown in to conduct individual topic segments. Although this class is targeted toward Naval Reservists, active duty personnel are encouraged to attend, as well as personnel from other military branches.

**PRE-REQUISITE:**

**COURSE NOTES:** See location notes

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| **P152088** | A- 8B-0020 | U | JT AVIA SUPPLY MT MMGMT (JASMMM) | 2 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

JASMMM was developed to enhance efficient interface between maintenance and supply personnel. Cooperation and teamwork are highlighted. Attendance is currently limited to Military E-6 and above; Civilian GS-6 and above, and International Students of equivalent rank. JASMMM is the Navy s sole source of aviation logistics training for supply officers and aviation maintenance officers and enlisted personnel assigned to aviation commands. During the ten days, twenty-five (25) Maintenance and Supply topics are discussed as well as case studies, practical labs and practical exercises. Guest speakers from NAVICP, DLA, and NAVSAFECEN have been incorporated into the seminar.

**PRE-REQUISITE:**

**COURSE NOTES:** Contact NSCS_NWPT_IMSO@navy.mil to make arrangements for arrivals.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P152089** | A-8B-0017 | U | SUPPLY OFFICER DEPT HEAD (SODHC) | 4 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

This four-week course prepares Ensigns through Lieutenant Commanders to assume the duties of the Supply Officer on a ship or submarine. This course includes training in the areas of Supply Management, Food Service, Retail Operations, and Disbursing Management. In addition, training is presented for the following specific technical functions: Small Afloat Purchasing, user certification for the government commercial purchase card program, Small Ship Aviation Logistics, Configuration Management, Hazardous Materials Management including certification as a Hazardous Materials Coordinator Afloat, Total Asset Visibility, and submarine-specific supply functions. Automated Information Systems training is also provided in Streamlined Automated Logistics Transmission Systems (SALTS), Logistics Toolbox, Ported SNAP II/III, Micro-SNAP, R-Supply, FSM, ROM, HICS, HMIS, FEDLOG and Micro-Q. SODHC focuses on current fleet trends and technical developments while it also stresses developing effective and efficient managerial skills to meet the challenging "at sea" environment.

**PRE-REQUISITE:**

**COURSE NOTES:** Contact NSCS_NWPT_IMSO@navy.mil to make arrangements for arrival.

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| **P1521JT** | N/A | U | SUPPLY INTERNSHIP OJT MECHANICSBURG | 10 | PINC | Mechanicsburg, PA |

**ECL:** 70 **EIMET:** No

To provide On-the-job training at stock points and inventory control points. Areas of interest which can be included are: issue, receiving, storage, packing, freight terminal, air terminal, data processing, procurement and customer service.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P1522JT** | N/A | U | OJT SUPPLY NETC | 8 | PSC6 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

To provide On-the-job training at stock points and inventory control points. Areas of interest which can be included are: issue, receiving, storage, packing, freight terminal, air terminal, data processing, procurement and customer service.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P1523JT** | N/A | U | SENIOR STOREKEEPER OJT | 8 | PSCN | Norfolk, VA |

**ECL:** 70 **EIMET:** No

SENIOR STOREKEEPER OJT Description: To provide On-the-job training at stock points and inventory control points. Areas of interest which can be included are: issue, receiving, storage, packing, freight terminal, air terminal, data processing, procurement and customer service.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P1524JT** | N/A | U | SUPPLY INTERNSHIP OJT Norfolk | 6 | PSCN | Norfolk, VA |

**ECL:** 70 **EIMET:** No

SUPPLY INTERN OJT Description: To provide On-the-job training at stock points and inventory control points. Areas of interest which can be included are: issue, receiving, storage, packing, freight terminal, air terminal, data processing, procurement and customer service.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P1525JT** | N/A | U | SENIOR STOREKEEPER OJT | 0 | PJAF | Jacksonville, FL |

**ECL:** 70 **EIMET:** No

To provide On-the-job training at stock points and inventory control points. Areas of interest which can be included are: issue, receiving, storage, packing, freight terminal, air terminal, data processing, procurement and customer service.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P153010** | A-822-0012 | U | TRANSP STOW HAZ MAT | 2 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

A two-week (80 hour) course that provides the mandatory training prerequisite for command approved qualification to certify hazardous material for shipment via all modes of transportation. This course is directed at all personnel that may certify hazardous material that are not previously certified or that need to re-certify and have not used their prior training extensively. Covers certification for ship, air (internationally) and ground transportation (U.S. and Canada) for shipments of Hazardous Material.

**PRE-REQUISITE:**

**COURSE NOTES:** Contact NSCS_NWPT_IMSO@navy.mil to make arrangements for arrival.

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|---|---|---|---|---|---|---|
| **P156004** | N/A | U | COST ACCOUNTING STANDARDS 1541 | 1 | PDCA | Atlanta, GA 30328 |

**ECL:** 70 **EIMET:** No

This course is designed to provide the field auditor the ability to apply the Cost Accounting Standards Board (CASB) rules, regulations, and standards most often encountered, including CAS-coverage, direct and indirect cost allocation, cost accounting practice changes, and cost impacts.

**PRE-REQUISITE:** 1231 or 1320 Intermediate Contract Auditing

**COURSE NOTES:** Requirement for Intermediate Contract Auditing is waiverable.

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|---|---|---|---|---|---|---|
| **P156005** | DCAI 1150 | U | BASIC CONTRACT AUDITING SKILLS (BCAS) 1101 | 2 | PDCA | Atlanta, GA 30328 |

**ECL:** 70 **EIMET:** No

This course is designed for new auditors. The Agency expects new auditors to attend this course within two months after reporting for duty. You will learn the basic concepts, techniques, and procedures of DCAA contract auditing. Upon completion of this course, you will be able to: (1) Identify the different auditing environments and apply decisive reasoning to the audit process; (2) Understand Agency performance expectations, probationary period evaluation criteria and DCAA career opportunities; (3) Discuss the nature of conflict and demonstrate effective communication skills when dealing with difficult individuals in the audit environment; (4) Describe the Government procurement process and the types of audit services provided by DCAA; (5) Understand the authoritative audit guidance that is found within FAR, DFAR, and GAGAS; (6) Understand Government cost accounting systems and the importance of preaward accounting system audits; (7) Correctly document and apply relevant risk assessment procedures, prepare an audit program and develop working papers through the use of an incurred cost audit case study.

**PRE-REQUISITE:** 1113 Orientation to DCAA 1117 Orientation to DCAA Contract Audits 1239 Risk and Materiality Assessment 1261 Scanning Guidance 1265 APPS Performance Support Module 1269 Working Paper Documentation 1440 GAGAS 1601 FAR 31, Allowable and Unallowable Costs (All prerequisite courses are self-study and can be provided on CD-ROM)

**COURSE NOTES:** Attendees need a basic proficiency in Microsoft Windows and Office applications

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P156006** | N/A | U | ADVANCED AUDITING 1201 | 1 | PDCA | Atlanta, GA 30328 |

**ECL:** 70 **EIMET:** No

You will learn to adequately plan and conduct a forward pricing proposal audit In order to determine the reasonableness of proposed costs in a contractor's price proposal. Class discussions, practical exercises, and case studies are used to highlight problem areas and evaluate alternative courses of action. Upon completion of this course, you will be able to: (1) Establish a forward pricing audit in DMIS and generate the working paper package in APPs; ( 2) Determine the adequacy of a contractor's forward pricing proposal; (3) Perform a risk assessment for a forward pricing proposal audit using zero based budgeting techniques; (4) Perform audit steps to examine proposed costs for such areas as direct material, direct labor, indirect rates, etc; (5) Prepare working papers, on-page notes, and structured notes to support audit findings; (6) Determine the appropriate audit opinion for a forward pricing proposal audit based on audit findings; (7) Understand key components of a forward pricing proposal audit report; 8) Assist the PCO/ACO with negotiations in support of DCAA's audit findings; (9) Evaluate forward pricing rates to support the ACO in their negotiation of a Forward Pricing Rate Agreement; (10) Identify and research potential CAS noncompliances related to CAS 401, 402, and 405 and understand the DCAA reporting process related to CAS findings.

**PRE-REQUISITE:** 1150 Technical Indoctrination (P156005) 1405 Introduction to Forward Pricing Audits 1505 CAS for the New Hire 1602 Allowable Costs with Restrictions (Non-employee) 1603 Allowable Costs with Restrictions (Employee) (All prerequisite courses except 1150 are self-study and can be provided on CD-ROM)

**COURSE NOTES:** Attendees need a basic proficiency in Microsoft Windows and Office applications

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| **P156007** | N/A | U | 1561, EMERGING ISSUES | 1 | VAR | Various |

**ECL:** 70 **EIMET:** No

This is a workshop that requires students research current issues and present results of their research to other students. This course focuses on developing research skills. You will learn how to research accounting and auditing issues and identify critical audit steps to complete the evaluation of an issue. Upon completion of this course, you will be able to: (1) Recognize the key facts in an issue; (2) Determine what resources, such as the FAR, CAS, CAM, and GAAP should be accessed during research; (3) Access resources whether online or in hardcopy; (4) Analyze applicability of various regulations, laws, and guidance to the issues being researched; (5) Document the results of research; (6) Recommend additional audit steps as needed to complete the audit of an issue.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P156600** | N/A | U | INTRO TO BUDGETING CONCEPTS | 1.6 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This course examines the preparation, execution and accountability of defense budgets. We provide the foundation for preparing and executing the budget by discussing the overall budget process beginning with planning and programming. Planning and programming are the stages where policy formulation and allocation of resources support national priorities, goals and objectives. This course reviews these concepts, and then illustrates how to take the programming decisions from the Ministry of Defense (MOD) through the budget cycle. We begin with a section on budget preparation using MOD programming guidance, integrating programs with budget guidance to create a budget. We then provide information, tools and techniques, and exercises on estimating budget submissions, funds control, performance management and feedback, all components of preparing, executing, and providing accountability for defense budgets. Each participant/country will be required to present a real life budget issue of current interest to their MoD. The issue can be one that is already being analyzed, or a new issue. Participants will have the opportunity to apply any concepts/instruction learned in the course as a method to begin exploring practical solutions to the issue. This exercise will link the theoretical environment with the real world through a practical and relevant application of course concepts. It is also hoped that this will serve as a foundation for further work on this problem once the participants return to their own organizations. Preparations will be made during the first four days of the course and a final presentation will be delivered on the fifth day of the course. The presentation will follow a format consistent with Microsoft power point applications. Participants should then be prepared for a question and answer period where their peers can participate in the discussion of issues/solutions. Please think about problems of potential interest and relevance prior to your arrival for this course!

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: 8 days Frequency: Once/Year Class Size: 20 Maximum
Participants: 0-3 to O-6 equivalent civilian officials See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdf
Students should report two days prior to class convene. RANK ECL REQUIREMENT: 80

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P159010** | N/A | U | OPERATIONAL TEST DIRECTOR | 0.8 | POTE | Norfolk, VA 23505-1498 |

**ECL:** 80 **EIMET:** No

Provides Operational Test Directors and support personnel (Analysts, Program Managers, etc.) with a baseline (basic) knowledge of weapons system acquisition; and introduces them to policies, procedures, documentation and reports required by DOD and SECNAV in conducting Operational Test and Evaluation. More course info is available at www.cotf.navy.mil (OTD Training). Note: This course is 3 1/2 days long. It generally starts on a Tuesday and runs through Fri 1200.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P159011** | N/A | U | INTEGRATED EVALUATION FRAMEWORK (IEF) COURSE | 0.4 | POTE | Norfolk, VA 23505-1498 |

**ECL:** 80 **EIMET:** No

Description: Purpose: Instruct government and contractor personnel in the 12 steps of Mission-Based Test Design(MBTD), COMOPTEVFOR's process for early test planning. The course combines lectures and team exercises to provide knowledge of the process. Scope: The course is fast-paced, covering all 12 steps of the MBTD process and introducing students to a database tool used at COMOPTEVFOR for test planning.

**PRE-REQUISITE:**

**COURSE NOTES:** Most students attend the COMOPTEVFOR OTD Course before attending this course. However, the course material is intuitive, and students are welcome to attend without having attended the OTD Course. (P159010)

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| **P159200** | N/A | U | PRINCIPLES OF DEFENSE ACQUISITION MANAGEMENT | 2 | PATM | Monterey, CA 93943-5103 |

**ECL:** 80 **EIMET:** Yes

This resident course taught at the Naval Postgraduate School in Monterey, CA provides the student with an understanding of the underlying concepts, fundamentals and philosophies of the defense acquisition management process and the practical application of the program management methods within this process to achieve international security goals. The course addresses management characteristics and competencies, control policies and techniques, systems analysis methods, risk management, and functional area concerns. Techniques for interpersonal relationships are examined in team exercise settings. Topics include the evolution and current state of defense acquisition policies and management practices in a defense environment characterized by civilian control of the military; the systems acquisition life cycle; strategic planning and implementation; business and financial management; user producer acquisition management disciplines and activities; contracting and purchasing; logistics; and program planning, organizing, staffing, directing and controlling. Case studies are used to analyze various acquisition issues. Professional managers engaged in a broad range of acquisition fields such as policy development, contracting, program management, defense planning, production and quality assurance, logistics, and systems analysis are examples of potential attendees.

**PRE-REQUISITE:**

**COURSE NOTES:** Class size is limited to 20 students. The course is taught in English (the ECL score of 80 is waiveable). This course is suitable for military officers (grades O-4 - O-6) and civilian officials (GS-11 - GS-15 or equiv.) consisting of both U.S. and foreign military and civilian officials. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P159202** | N/A | U | PRINCIPLES OF DEFENSE PROCUREMENT & CONTRACTING | 2 | PATM | Monterey, CA 93943-5103 |

**ECL:** 80 **EIMET:** Yes

This two week resident course is offered twice yearly immediately following the Principles of Defense Acquisition Management course. The course provides an in-depth examination of policy, procedures and best practices applicable to all phases of the procurement and contracting process. During the course, international practices which include the U.S., EU and NATO models for procurement and contracting are examined. The goal is to enable course participants to understand and implement, to the extent possible, the principles of efficient and effective procurement and contracting systems. Specific topics include transparency, procurement planning; market research, writing and reviewing work specifications, competition policies, developing requests for tenders, tendering methods, evaluation techniques, analysis of technical and price proposals, contract administration/management and contract closeout. Additionally, the course includes in depth discussions of development and use of reporting systems and creation and sustainment of a professional procurement workforce. A study of concepts and practices related to on line auctioning and electronic procurement are also included. This course is approved for E-IMET funding for civilian students. The course is highly interactive and combines lecture and class discussion with group exercises. This course is suitable for military officers (grade 0-4 through 0-6) and civilian officials who deal in any aspect of procurement and contracting or in peripheral fields such as economics, program management, logistics or budgeting and finance.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P162000** | N/A | U | RISK MANAGEMENT | 2 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This course introduces the basic elements of risk management. It presents a quantitative definition of risk that allows managers to assess the amount of risk in a given decision problem. Simulation modeling is used as the prime tool for quantifying the risk. Participants are given the opportunity to develop their skill in using this tool. The course then explores how this tool is used in risk management for devising strategies such as hedging, diversifying and seeking robustness.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: 10 days Frequency: Once/year Class Size: 20 Maximum Cost: Varies by funding Participants: 0-3 to O-6; equivalent civilian officials (GS-09 and above). See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdf

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| **P162002** | S- 00-3306 | U | DEFENSE RESOURCES MANAGEMENT COURSE | 4 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The DRMC is suitable for professionals concerned with the economic, efficient and effective allocation and use of scarce defense resources in today's complex and uncertain security environment. Participants normally come from a broad spectrum of fields, to include logistics, operations, personnel, acquisition, financial management, program management, planning, engineering, and program evaluation. This course is designed for military officers rank O-3 to O-6 and equivalent civilian officials (GS-09 and above). DRMI faculty integrates analytical concepts, principles, methods, and techniques drawn from the disciplines of management, economics, and quantitative methods, and applies them to decisions involving the allocation of financial, logistic and human resources. A variety of analytical frameworks are presented that will enhance the participants' competence at recognizing and evaluating the risk assessments and tradeoffs that must be made among competing alternatives at both the strategic and operational levels of defense organizations. An experienced, world-class graduate faculty teaches the course using a stimulating mix of lectures, small group discussions and real world case studies. This approach provides a dynamic learning environment designed to develop the analytical decision making skills so necessary in today's challenging environment. Contemporary issues such as the global war on terror, regional and international instability, infrastructure protection and multinational defense cooperation are used to illustrate the environment in which current defense resource allocation decisions must be made. By the end of the course, participants will be able to clearly define and evaluate the relationship among national security objectives, defense strategies, program alternatives/capabilities, and their budgetary resource requirements.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: 4 Weeks Frequency: Four times/Year Class Size: 54 maximum Cost: Varies by funding Participants: Rank O-3 to O-6 or equivalent civilian officials (GS-09 and above) See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdfECL REQUIREMENT: 80; NOTE: COURSE CONVENES FOUR TIMES A YEAR. STUDENTS SHOULD REPORT NO EARLIER THAN 2 DAYS BEFORE CLASS CONVENE DATE. LIVING ALLOWANCE FOR IMET STUDENTS IS PAID DURING LAST WEEK. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P162003** | S- 00-3321 | U | INTERNATIONAL DEFENSE MANAGEMENT COURSE | 10 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The IDMC is suitable for professionals concerned with the economic, efficient and effective allocation and use of scarce defense resources in today's complex and uncertain security environment. Participants normally come from a broad spectrum of fields, to include logistics, operations, personnel, acquisition, financial management, program management, planning, engineering, and program evaluation. This course is designed for military officers rank O-3 to O-6 and equivalent civilian officials. (GS-09 and above). DRMI faculty integrate analytical concepts, principles, methods, and techniques drawn from the disciplines of management, economics, and quantitative methods, and applies them to decisions involving the allocation of financial, logistic and human resources. A variety of analytical frameworks are presented that will enhance the participants' competence at recognizing and evaluating the risk assessments and tradeoffs that must be made among competing alternatives at both the strategic and operational levels of defense organizations. An experienced, world-class graduate faculty teaches the course using a stimulating mix of lectures, small group discussions and real world case studies. This approach provides a dynamic learning environment designed to develop the analytical decision making skills so necessary in today's challenging environment. Contemporary issues such as the global war on terror, regional and international instability, infrastructure protection and multinational defense cooperation are used to illustrate the environment in which current defense resource allocation decisions must be made. A major curricular concept of this course is comparative resources management, i.e. the examination of how different countries allocate resources. In order to enhance the comparative aspects of the curriculum, DRMI leadership encourages broad national representation with a diversity of both military services/agencies and civilian government officials. In addition to the small-group discussions that are a key part of the learning environment, each country's participants are required to give a presentation on national security issues faced by their country. These presentations allow for class-wide discussion of key security issues around the world. By the end of the course, participants will be able to clearly define and evaluate the relationship among national security objectives, defense strategies, program alternatives/capabilities, and their budgetary resource requirements. They will be able to plan for the broadest set of security requirements and will be capable of contributing to the capacity building of their national military and security forces.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: 10 Weeks Frequency: Two times/year Class Size: 54 maximum Cost: Varies by funding Participants: Rank 0-3 to O-6; equivalent civilian officials (GS-09 and above). See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdfECL REQUIREMENT: 80 NOTE: COURSE CONVENES TWICE ANNUALLY; IN 1ST AND 2ND FISCAL QUARTERS. STUDENTS SHOULD REPORT NO EARLIER THAN 2 DAYS BEFORE CLASS CONVENE DATE. LIVING ALLOWANCE FOR IMET STUDENTS IS PAID THREE TIMES, IN WEEKS FOUR, SEVEN, AND TEN; NOTE: CANCELLATION FEE POLICY: THERE IS A 100% PENALTY FEE, ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED, UNLESS WAIVED BY THE MILDEP AS PER NAVY IPO 081900Z JAN 03. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P162004** | S- 00-3330 | U | SENIOR INTERNATIONAL DEFENSE MANAGEMENT | 4 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The SIDMC is suitable for senior (flag and general rank international military officers and equivalent civilian officials) professionals concerned with strategic planning and the economic, efficient and effective allocation and use of scarce defense resources in today's complex and uncertain security environment. Participants normally come from a broad spectrum of fields, to include logistics, operations, personnel, acquisition, financial management, program management, planning, engineering, and program evaluation. They should be working at senior decision making levels within their respective organization and should be focused on the strategic aspects of defense planning and resource allocation. DRMI faculty integrate analytical concepts, principles, methods, and techniques drawn from the disciplines of management, economics, and quantitative methods, and apply them to strategic decisions involving the allocation of financial, logistic and human resources. A variety of analytical frameworks are presented that will enhance the participants' competence at recognizing and evaluating the risk assessments and tradeoffs that must be made among competing alternatives at both the strategic and operational levels of defense organizations. An experienced, world-class graduate faculty teaches the course using a stimulating mix of lectures, small group discussions and real world case studies. This approach provides a dynamic learning environment designed to develop the strategy formulation and analytical decision making skills so necessary in today's challenging environment. Contemporary issues such as the global war on terror, regional and international instability, infrastructure protection and multinational defense cooperation are used to illustrate the environment in which current defense resource allocation decisions must be made. By the end of the course, participants will be able to clearly define and evaluate the relationship among national security objectives, defense strategies, program alternatives/capabilities, and their budgetary resource requirements. They will be able to plan for the broadest set of security requirements and will be capable of contributing to the capacity building of their national military and security forces.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: 4 Weeks Frequency: Once/Year Class Size: 54 maximum Cost: Varies by funding Participants: RANK REQUIREMENT: O-7 and above and civilian equivalent. See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdf ECL REQUIREMENT: 80 NOTE: CANCELLATION FEE POLICY: 100 PERCENT PENALTY FEE, ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED, UNLESS WAIVED BY THE MILDEP AS PER NAVY IPO 081900Z JAN 03. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P162012** | N/A | U | MULTIPLE CRITERIA DECISION MAKING COURSE | 2 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This course develops a method of approach to support decision making by managers in defense organizations. The focus is on practical application to management decisions involving many organizational objectives. Emphasis is placed on formulating the problem, understanding the analytical process involved in evaluating potential solution alternatives, and interpreting the results of the analysis in support of choosing a solution. We will provide practical examples from defense resource allocation problems. Each participant will be required to apply the multi-criteria decision approach taught during this course to a decision problem of current interest to their own MoD. The problem can be one that is already being analyzed, or a new problem. Participants will have the opportunity to work in depth on this problem with a faculty member during the course. A final presentation will be delivered on the last day of the course. This exercise will link the theoretical environment with the real world through a practical and relevant application of course concepts. It is also hoped that this will serve as a foundation for further work on this problem once the participants return to their own organizations.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: Two Weeks Frequency: Twice/Year Class Size: 20 Maximum Cost: Varies by funding Participants: O-3 - O-6 or equivalent civilian grade. See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdf
Rank Requirement: O-3 - O-6 or equivalent civilian grade. ECL Requirement: 80

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| **P162013** | P-7C-0100 | U | DIVISION OFFICER LEADERSHIP COURSE (DIVOLC) | 1 | PCLD | Pensacola, FL 32511-5138 |

**ECL:** 70 **EIMET:** No

To provide prospective division officers with the requisite Naval leadership skills necessary to function as effective leaders at the division officer level to include the professional and personal growth of personnel in their division. Students will be applying leadership skill sets based on the content derived from the Navy Leadership Competency Model (NLCM).

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P162014** | N/A | U | PERFORMANCE MANAGEMENT AND BUDGETING | 1 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This course examines performance management and budgeting beginning with planning-to-budgeting and government accounting systems, and different types of and uses for budgets. We provide a foundation for performance management and budgeting by developing top-level goals and objectives, examining indicators of performance and performance hierarchies, and showing how indicators can be used in budgeting systems. Faculty present real world and teaching examples of measures of efficiency and effectiveness, and how those measures impact budget decisions and implementation. Participants then create performance measures for a defense organization and discuss how they can be used in a defense budget. Participants should bring examples of performance measurements for their own organizations and how that information is implemented in their own budget systems.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: One Week Frequency: Once/Year Class size: 20 Maximum Cost: Varies by funding Course intended for US Officers (Active or Reserve) and International Military Officers, of Grades O-3 through O-6; Civilian Officials of Grades GS-09 through GS-15 or Equivalent; Individuals Participating in Accelerated Career Development Programs; and Foreign Officials of Similar Rank or Grade. See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdf

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| **P162015** | A-8B-0060 | U | ADVANCED MGMT PROGRAM (AMP) | 2 | PSC3 | Newport, RI 02841-1208 |

**ECL:** 80 **EIMET:** No

Advanced Management Program (AMP) is a visionary management course that provides tools to high-potential managers (military officers O5 and above and senior civilian employees) that are necessary in today's challenging workplace. This two-week residential program challenges participants beyond their current capabilities. Strategic thinking is the focus in this dynamic learning environment. This program is designed to equip senior officers with the tools necessary to formulate and implement strategy, develop and manage networks of people, and incorporate experiences into a broadened policy-level perspective. AMP incorporates case studies and traditional learning to develop key competencies needed for higher levels of strategic leadership. Topics include Enterprise Resource Planning (ERP), e Business, Supply Chain Management, Information System Solutions, Cost Management, Activity Based Costing (ABC), Activity Based Management (ABM), and Metrics Management. AMP is modeled after the Executive Training Programs at civilian universities, but at a fraction of the cost. The faculty is from one of the US's leading university business school. Class requires an 80 ECL score, and the student will be expect to participate in group discussions and team presentations. Carries post-graduate college credit.

**PRE-REQUISITE:**

**COURSE NOTES:** Please contact NSCS_NWPT_IMSO@navy.mil to make arrangements for arrival.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P162017** | P- 7C-0100 | U | DIVISION OFFICER LEADERSHIP COURSE (DIVOLC) | 1 | PSC4 | Newport, RI 02841-1208 |

**ECL:** 70 **EIMET:** No

This five-day course is designed to facilitate and indoctrinate all junior officers that will be relieving afloat, in a Division Officer capacity, the skill sets necessary to be effective first-time leaders in an operational environment. The curriculum is scenario driven taking the student from their very first day of reporting onboard all the way through their first nine months. Through interactive videos, roleplays, and group-based discussions, the student will be given exposure and have an opportunity to discuss leadership dilemmas that they might encounter in their immediate future. Specific leadership principles that are addressed are competition and collaboration in an enlisted workcenter, building working relationships with the Chain of Command, time management, and functional administration.

**PRE-REQUISITE:**

**COURSE NOTES:** NSCS Newport IMSO will pick up the students at the Providence, RI Airport (PVD).

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| **P162018** | N/A | U | HUMAN CAPITAL RESOURCES MANAGEMENT | 2 | PDR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

In the Human Capital Resources Management course, DRMI faculty introduce participants to effective strategic human capital management approaches that combine the need for transparency and accountability with the unique demands of the defense and security sectors. This course is designed for military officers rank O-3 to O-6 and equivalent civilian officials (GS-09 to GS-15). The course covers four central themes. The first introduces relevant economic concepts needed to analyze labor/capital tradeoff and the role of governments in economic systems. The second focuses on strategic planning for the work force including force sizing, capabilities based planning, and budgets. The third and fourth emphasize human resources integration and total force management. Specific topics covered include identifying and framing human capital issues; economics of military manpower; capabilities based human capital planning; policies and practices for force development: recruitment, screening, selection, training, education, compensation, promotion criteria; career planning and management; performance assessments; mediation and negotiation; salary and benefits; total force integration including active duty and reserve military personnel, civilian personnel, and private-sector contract personnel; and performance management. DRMI faculty teach the course using a stimulating mix of lectures, small group discussions and real world case studies. This approach provides a dynamic learning environment designed to develop the decision making skills necessary in today's challenging environment. A capstone exercise enables participants to use the information in the course to focus on and develop a human capital strategic issue of concern to their command.

**PRE-REQUISITE:**

**COURSE NOTES:** Duration: Two Weeks Frequency: Once/Year Class size: 20 Maximum Cost: Varies by funding Participants: Course intended for US Officers (Active or Reserve) and International Military Officers, of Grades O-3 through O-6; Civilian Officials of Grades GS-09 through GS-15 or Equivalent; Individuals Participating in Accelerated Career Development Programs; and Foreign Officials of Similar Rank or Grade. See link to DRMI participant notes: http://www.nps.edu/Academics/Centers/DRMI/docs/Student%20Handbook.pdf

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| **P162368** | N/A | U | INTL SHIPYARD MGMT | 6 | PNSD | Pearl Harbor, HI 96860-5033 |

**ECL:** 70 **EIMET:** Yes

The International Shipyard Management Course is composed of six modules, four of which are shipyard teaching modules that present a general overview of the functions associated with Shipyard operations. The shipyard modules are composed largely of the Planning, Production, and Controls required to repair or overhaul a ship. The majority of the work is tied up in planning the availability and executing the Production portion to repair components and to fix systems on a ship. Also important are the Engineering, Quality Assurance, Safety, and Supply Controls necessary to complete the availability. The course has been developed to teach both Allied and U.S. Naval Officers who have not previously worked with the day-to-day Shipyard Operations relative to maintenance, repair and overhaul of ships. The fifth module deals with international environmental issues and is taught by the Commander in Chief, Pacific Fleet’s Judge Advocate General (JAG) environmental lawyers. It provides the student with an understanding of international environmental laws and regulations, environmental change and regional security, and the impact that shipyard operations have on the environment. The sixth module addresses enhanced shipyard security, force protection issues, and current counter-terrorism concerns relative to naval shipyard and shore facilities management. SPECIAL NOTES: AFTER COMPLETION OF THE ISMC, ONE WEEK ON-THE-JOB TRAINING (P145JTO) IS AVAILABLE IN THE AREAS OF PROJECT MANAGEMENT, ENGINEERING ASSESSMENT PROGRAM, NAVY MAINTENANCE PROGRAMS, AND SPARE PARTS ACQUISITION. THIS LIMITED OPTION MUST BE SPECIFICALLY REQUESTED AND WILL BE APPROVED SEPARATELY FROM THE ISMC

**PRE-REQUISITE:**

**COURSE NOTES:** NOTE: CANCELLATION FEE POLICY: 100 PERCENT PENALTY FEE, ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED, UNLESS WAIVED BY THE MILDEP AS PER NAVY IPO 081900Z JAN 03. Students will need to be prepared financially for meals and lodging the first two weeks of the ISMC. Each student should arrive with a minimum of $2,500.00 available on a credit/debit card, Traveler's Checks or Cash. Hawaii PSD does not pay TLA on the spot and takes approximately 2 weeks to process requests via Norfolk, VA PSD.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P163601** | C-555-2010 | U | AVIATION MAINTENANCE ADMINISTRATION MAN CLASS A1 | 7.6 | PME1 | Meridian, MS 39309-5040 |

**ECL:** 70 **EIMET:** No

Provides selected Naval and Marine Corps personnel with the basic knowledge and skills for job entry into the fleet as an Aviation Maintenance Administrationman, Aircraft Maintenance Administration Clerk. Basic typing, including preparation of Naval correspondence; the directives issuance system; aeronautical technical publications, including technical library forms and procedures; the Naval aircraft maintenance program, including types of aircraft maintenance, inspections, and the maintenance requirement card system; the maintenance data system, including basic concepts, code systems, documentation procedures, records and reports; maintenance of aircraft and aircraft engine / equipment logs and associated records, including reports attendant to the aircraft inventory reporting system and the aircraft engine management system; the Naval Aviation Logistics Command Management Information System (NALCOMIS), including it s hardware, software, principles of operation, sub-systems and attendant operating procedures.

**PRE-REQUISITE:** High School math, typing, and clerical skills are desired.

**COURSE NOTES:** This course is taught with computer delivered learning materials in a classroom with an instructor. Students will be required to log on to Navy Knowledge Online (NKO) in order to complete the course. The instructor will register students for access to NKO after class convene.

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| **P166013** | N/A | U | NAVAL WAR COLLEGE INSTRUCTOR (IUT) | 0 | PNW | Newport, RI 02841-5010 |

**ECL:** 80 **EIMET:** No

Following completion of NCC or NSC course, international student may be invited to serve on NWC staff for the duration of the next academic year, and occasionally longer.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P166017** | CIVCONTR | U | BASIC MARITIME TECHNICAL TRAINING (BMTT) | 1 | PSEV | Norfolk, VA 23511-2613 |

**ECL:** 70 **EIMET:** No

One week technical training for 10-15 Philippine Coast Guard trainers working at the NCWS IMTTP. This training shall instruct students in the principles of learning, curriculum development, instructor training, and schoolhouse management. Students shall review the ADDIE model of curriculum development, review instructional methods for course delivery, and review schoolhouse organizational structure and management, such as student throughput and quota management.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be met at Norfolk Internaional Airport (ORF) by IMSO. Call (757) 477-0486 should itineraries or flights change. Students arriving at other areas airports should contact IMSO with information for transporation guidance. Transportation to Training Location will be provided by IMSO. Call (757) 477-0486.

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| **P166023** | A-012-0037 | U | RECRUIT DIVISION COMMANDERS SCHOOL | 13.8 | PTGL | Great Lakes, IL 60088 |

**ECL:** 70 **EIMET:** No

To train enlisted personnel E-5 - E-9 to effectively undertake the basic military training of a division of navaL recruits in effecting a smooth transition from civilian to Navy life. Scope: The 13 week training provides instruction in military indictrination, seabag and barracks, military drills, division management and those portions of the behaviorial sciences which will prepare him/her to support and carry out the command missiion while he/she is engaged in leading recruits.

**PRE-REQUISITE:** The trainee must satisfy qualifications set forth by the Enlised Transfer Manual. This course is open to all rates.

**COURSE NOTES:** RECRUIT DIVISION COMMANDERS SCHOOL International Note: Please make notification of intent to assign international students to this course to the Naval Service Training Command Chief of Staff or Executive Assistant.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P166235** | K-495-0040 | U | DAMCONT REPAIR PARTY LDR | 1.4 | PTC2 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

This course is designed to train personnel in paygrades E-5 and above in advanced damage control theory and techniques so that they may fill Repair Party Leader Billets in the shipboard damage control organization, to facilitate the proper management of repair party personnel in casualty situations under all shipboard readiness conditions. A two part, multi-phased course incorporating group-paced classroom with practical hands-on instruction in simulators. Part I, Damage Control fundamentals/systems include: Partial preliminary actions to be taken before damage occurs. Minimize and localize damage after it occurs. Accomplish emergency repairs to control fires and flooding and to preserve ship s stability and buoyancy. Part II, Chemical, Biological and Radiological (CBR) Defense include: Both technical aspects and practical applications of chemical and biological defense (i.e., individual protective clothing and equipment, shipboard decontamination and chemical agent detection). Instruction in nuclear defense includes terms and effects, countermeasures, hazards and responses, dose and dose rate instruments, personnel monitoring, shipboard surveys and radiological plotting. PREREQUISTES: Complete the Personnel Qualification Standards for: Basic Damage Control, NAVEDTRA 43119-G (series) and Advanced Damage Control Emergency Parties 100 and 200 sections, NAVEDTRA 43119-G (series). Medical screening by parent command is required prior to arrival to ensure individuals are medically qualified to participate in the course. Orders must be stamped or typed with "Medically Qualified". An individual will be immediately disqualified if he/she: 1. Has had in the last ten days or is currently being treated for pneumonia, bronchitis, or asthma. 2. Has any fractures, sprains, splints, or casts. 3. Is greater than three months pregnant. The following conditions require evaluation by a corpsman and decision rendered regarding training suitability prior to an individual s participation: 1. History of heart disease or stress related chest pain. 2. Current nasal congestion or an ear, nose, or throat infection. 3. Within ten days of post operative procedure (minor surgery). 4. Taking any medications. 5. On limited/light duty or had a tooth extraction within the last seventy-two hours. 6. History of prior heat exhaustion or heat stroke. 7. Any other condition which may affect ability to complete the course. 8. Unable to participate in or complete the PRT.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is open to all rates.

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| **P166260** | N/A | U | OXYGEN CLEANLINESS INSTR | 2 | PTRF | Kings Bay, GA 31547-2631 |

**ECL:** 80 **EIMET:** No

To train and qualify personnel in the procedures and requirements of MIL-STD-1330D and to standardize training throughout the Nayv. To train and quality cleanroom personnel per the requirements set forth in MIL-STD-1330D. Scope: This course covers cleaning, assembly, disassembly, reassembly, entering into, testing and examination of certified oxygen clean componets or piping systems. Training includes practical work on mock-ups to simulate flushes, hydrostatic testing and cleanroom operations. NAVSEA approved Halogenated Solvents, Tribastic Sodium Phosphate (TSP) and Navy Oxygen Cleaner (NOC) cleaning procedures are covered along with special emphasis on NOC flushing and cleanroom procedures employed at Trident Refit Facility. All documents referenced by the MIL-STD-1330D will be covered in detail as well as any updated instructions or procedures adopted by higher authority.

**PRE-REQUISITE:**

**COURSE NOTES:** ITOs or visit requests need to be sent at 'least' two weeks ahead of class attendance.....three weeks would be better.

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| **P166311** | A-012-0077 | U | NAVY INSTRUCTOR TRAINING COURSE (NITC) | 3 | PNLV | Virginia Beach, VA 23461 |

**ECL:** 70 **EIMET:** No

To train selected Navy, Marine Corps and DOD civilian personnel, including students of allied nations, in the techniques and principles of instruction applicable to the formal school environment. Two performance examinations are delivered by each student and two knowledge tests are given. SCOPE: Course content includes the Navy training program; objective, test item, and lesson development; theories and laws of learning; instructional methods and techniques; instructional media; instructor evaluation; factors affecting learning and student motivation and academic guidance and counseling techniques. Scope: Navy Instructor Training Course (NITC) qualification available to all DoD and AFN personnel with a demonstrated requirement for training.

**PRE-REQUISITE:** Prospective NITC students should have completed the annual Information Assurance (IA) awareness training requirements and have a copy of their certificate of completion readily available on the first day of the training event. Sailors attending this course should have their Navy physical training uniform available on the first day of training. Uniform of the Day will be Service Uniform in accordance with Regional Commanders Uniform Policy and Regulations. Working Uniforms and or coveralls are not permissible. OTHER MILPERSMAN: 1306-953 Paragraph 1.a. states that any person selected for duties in connection with formal programs involving the education and training of military or civilian personnel must have a favorably adjudicated National Agency Check with Local Agency and Credit Checks (NACLC)/Access National Agency Check and inquiries (ANACI) prior to assignment.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P166313** | A-012-0077 | U | NAVY INSTRUCTOR TRAINING COURSE (NITC) | 3 | PTC3 | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

To train Navy, Marine Corps, DoD civilians (civil service), other DoD personnel and allied foreign nationals in the application of principles of learning; instructional methods, strategies, and techniques; and, the effective communication, oral questioning, and presentation techniques appropriate to basic instructional advanced technical classroom and/or other learning environments. A progressive series of performance activities allow students to demonstrate proficiency in the required knowledge and skills of an entry-level instructor. Scope: Navy Instructor Training Course (NITC) qualification available to all DoD and AFN personnel with a demonstrated requirement for training.

**PRE-REQUISITE:** Prospective NITC students should have completed the annual Information Assurance (IA) awareness training requirements and have a copy of their certificate of completion readily available on the first day of the training event. OTHER MILPERSMAN: 1306-953 Paragraph 1.a. states that any person selected for duties in connection with formal programs involving the education and training of military or civilian personnel must have a favorably adjudicated National Agency Check with Local Agency and Credit Checks (NACLC)/Access National Agency Check and inquiries (ANACI) prior to assignment.

**COURSE NOTES:**

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| **P169008** | CIVCONTR | U | HUMAN FACTORS FOR ACCIDENT INVESTIGATORS | 1 | PSCE | Torrance, CA 90505 |

**ECL:** 70 **EIMET:** No

Human error is implicated in most, if not all, aviation accidents. Accident investigators, therefore, need information, tools, and procedures to discover the role human error has played in an accident/incident being investigated. This course teaches the required material for investigators to: (a) identify the human error issues involved in an accident wherever they occurred (e.g., in the cockpit, ATC, management, maintenance, etc.), and (b) to know when and how to call on the required Human Factors experts for further analysis. The course starts with a brief review of the role of human error in aviation accidents using the SHELL, Reason and Helmreich models from an investigator perspective as organizing frameworks. A taxonomy of unsafe acts (organization, supervisor, and operator) is presented. The course then focuses on what the investigator needs to know about the individual human and the various factors which tend to make humans make mistakes including the ability to process information, deal with a physiologically challenging environment, and perform within a potentially sub-optimal workplace. Training and negative transfer, as well as procedures, will also be presented as additional factors leading to human error. Although human error has been implicated in 70 to 80% of all civil and military aviation accidents, most accident reporting systems are not designed around any theoretical framework of human error. As a result, most accident databases are not conducive to a traditional human error analysis, making the identification of intervention strategies onerous. What is required is a general human error framework around which new investigative methods can be designed and existing accident databases restructured. Indeed, a comprehensive human factors analysis and classification system (HFACS) has recently been developed to meet those needs. Specifically, the HFACS framework has been used within the military, commercial, and general aviation sectors to systematically examine underlying human causal factors and to improve aviation accident investigations. Building on the material presented, the course will then provide an integrated discussion summarizing from an investigator's perspective current understanding about causes of human errors and what mechanisms should be in use for their reduction. The course concludes by providing the accident investigator with a systematic framework and process to identify human error issues involved in an accident as well as the factors which may have led to those errors. Who Should Attend Individuals who need to understand the human error issues in aviation accidents and how human error and human limitations can cause accidents. Accident Investigators or those who participate in accident investigation. How You Will Benefit This course provides the accident investigator with a solid foundation for the recognition of 'Human Error' issues and a process to discover them. It can be taken individually or as part of a series of courses in the SCSI Aircraft Accident Investigation Certificate Program. Practical examples and case studies will enhance your theoretical knowledge. This course is accepted by the Board of Certified Safety Professionals for Continuance of Certification credit. This course is one of the required courses for the Certificate in Aircraft Accident Investigation granted by SCSI. SCSI will award 3.6 CEUs to each participant who successfully completes this course. Course Topics Human Factors and Human Error from an Investigator's Perspective. Human Performance and Information Processing. A General Model. Illusions. Stress and Fatigue. Pilot Physiology The Ergonomics of the Cockpit Including Anthropometry, Different Populations and Gender Training and Negative Transfer. Summary of Human Error Causes and Reduction Methods from an Accident Investigator Perspective Integrated Human Error Investigation Procedures Including Case Studies and Clues. Introduction to Human Factors Analysis and Classification System. The Psychology of Witness Interviewing Including the Interviewing of Key Witnesses Not Normally Associated with Basic Witness Interviewing (e.g., spouses of pilots, survivors, crew members with survivor syndrome, etc.) Pressures on the Accident Investigation Team Critical Stress Syndrome and Trauma As it Relates to Witnesses and the Investigators. Pathology: Medical Examiner Evidence and its Relationship to other Clues of Human Actions, Failure to Act and Interactions. What the Investigator can ask and obtain from the Aero-medical Examiner? Automation and the Role of the Crew. Autonomy, Authority and Observability. Case studies. Individual and Team Investigation Exercises.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P169009** | CIVCONTR | U | HELICOPTER ACCIDENT INVESTIGATION | 1 | PSCE | Torrance, CA 90505 |

**ECL:** 70 **EIMET:** No

Helicopter accidents provide many new challenges for the investigator principally because of the dynamic factors involved in helicopter performance. Knowledge and experience in fixed wing aircraft accident investigation does provide a basic reference since most systems found on helicopters are similar to those found on fixed wing aircraft. There are however some very distinct differences. Most unique are the rotor systems and the aerodynamics of rotary wing flight. These are the focuses of the Helicopter Accident Investigation Course. The course assumes a basic knowledge of aircraft accident investigation. The instruction leads you through examples of the unique aspects of helicopter operations. There is a discussion of helicopter aerodynamics as they relate to accidents. You will learn about Ground Resonance and Dynamic Rollover. You will be introduced to the problems of Settling Under Power and Vortex Rings. You will also learn to identify some of the inflight problems associated with transmission and rotor failures. These include actual examples of Mast Bumping and Tail Rotor Failure. You will learn about the importance of crash survivability investigation in helicopter accidents and the specific areas of concern. One aviation safety expert has asserted that: "All (helicopter) problems are pilot related. Even engine failure, rotor failure and various types of airframe failure can be traced to lack of knowledge of design limitations." This course will look at the human factors aspects of rotary wing flight and expose you to several of the important human errors that have resulted in helicopter accidents. Although this course is about helicopters, knowledge and experience in helicopters is not necessary to take the course. Any one will benefit by taking this course from the novice who gains an introduction to the unique problems of helicopter operations to the expert for an update on modern helicopter issues. Helicopter Accident Investigation gives any investigator a valuable addition to his or her professional knowledge and qualifications. Who Should Attend This course is for individuals who will be involved in rotary wing accident investigations in any capacity and assumes that the attendee has either experience in accident investigation or has completed a course such as SCSI's Aircraft Accident Investigation (AAI) course. How You Will Benefit " The course focuses solely on the investigation of rotary wing accidents. It will extend your knowledge of investigation tools and techniques by providing specific information you will need to understand the unique requirements for rotary wing accident investigation. " You will gain an understanding of the special aspects of rotary wing investigations, become familiar with the unique design aspects and failure modes for helicopter structures, engines, transmissions and rotors, control systems and other systems " You will become familiar with the special problems presented by helicopter aerodynamics and performance issues " You will become aware of some of the human factors issues that impact helicopter accidents " You will be able to participate effectively in a helicopter accident investigation " This course is accepted by the Board of Certified Safety Professionals for Continuance of Certification credit. It is one of the required courses for the Certificate in Aircraft Accident Investigation granted by SCSI. SCSI will award 3.6 CEUs to each participant who successfully completes this course. Course Topics Helicopter Investigation Differences Helicopter Structures Rotary Wing Control Systems Helicopter Systems Engines Transmissions and Rotors Rotary Wing Aerodynamics and Performance Helicopter Recording Devices Rotary Wing Accidents and Human Factors Initial Actions at the Crash Scene Wreckage Recovery/Reconstruction/Diagram Failure Investigation Helicopter Unique Mishaps Crash Survivability Seven Phases of Investigation

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P169016** | A-493-0031 | U | INTRODUCTION TO HAZARDOUS MATERIALS (ASHORE) | 0.6 | PSDC | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

Introduction to Hazardous Materials Ashore introduces civilian and military personnel assigned to full-time or collateral OSH, or other duties involving the management of hazardous materials with the training to identify hazardous materials control requirements and methods ashore. Scope: The course content includes definitions and types of hazardous materials; chemistry of hazardous materials; human toxicology; Hazard Communication (HAZCOM) program; identification, labeling, marking, storage and transportation of hazardous materials; Hazardous Waste Operations and Emergency Response (HAZWOPER), and management of a Navy HMC&M program.

**PRE-REQUISITE:** Personnel must be in GS-018, -019, -640 (IH Tech), -690, -803 classification series, Industrial Hygiene Officers, or military personnel who may serve in full time or collateral duty safety/hazardous material duties, as well as those civilian or military personnel involved in the management of Hazardous Material Minimization Center (HAZMINCEN) operations. All personnel must also have 12 months from course date remaining in job assignment.

**COURSE NOTES:**

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| **P169019** | A-493-2099 | U | SAFETY PROGRAMS AFLOAT | 0.4 | PSDC | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The Safety Programs Afloat course provides surface ship Divisional Safety Petty Officers with the basic knowledge and skills required to perform their duties and responsibilities in accordance with OPNAVINST 5100.19E. Scope: This course teaches the facilitation, implementation and maintenance of an effective divisional safety program. This course identifies how Safety Petty Officers support the command Safety Officer in maintaining an effective shipboard safety program which includes; divisional safety training; mishap investigation and reporting; shipboard safety organizational development; safety equipment maintenance; and operational risk management application.

**PRE-REQUISITE:** All personnel must complete the Naval Safety Supervisor course (NAVEDTRA 14167F), offered as a downloadable non-resident training course via the Navy Advancement Centers website: https://www.advancement.cnet.navy.mil. This non-resident training course covers the fundamentals of OPNAVINST 5100.19 (series) that provides requisite baseline knowledge for the Safety Programs Afloat course. Must be E-5 through E-9 assigned safety duties afloat. All personnel must have at least 12 months from course date remaining in job assignment.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P169208** | S- 8G-0500 | U | INTL HYDROGRAPHY MGT & ENG PGM (IHMEP) | 26 | PNOS | NCBC Gulfport, MS 39501 |

**ECL:** 70 **EIMET:** No

The Naval Meteorology and Oceanography Professional Development Center's (NMOPDC) International Hydrographic Management and Engineering Program (IHMEP) provides practical, professional training in hydrographic survey management and engineering. This six-month course has received the International Federation of Surveyors/International Hydrographic Organization Advisory Board on Standards of Competence for Hydrographic Surveyors Category "B" certification. The program provides students with a working knowledge of hydrography through practical training in mathematics, computer science, the physical sciences, geodesy, the Global Positioning System, hydrography (single beam, multi-beam, and side scan sonars), oceanography, meteorology, nautical cartography, project resource management, and Law of the Sea. It is based on 30 hours of classroom training and practical field projects per week.

**PRE-REQUISITE:** Students should have a working knowledge of mathematics (minimum up to and including trigonometry) and of physics (basic university entrance level). In addition, students should have some knowledge and experience in maritime navigation and electronics. Students from non-English speaking countries must have an English comprehension level of at least 70%.

**COURSE NOTES:** The student will be housed in the BOQ. Messing is not available. The course is designed for a maximum of 12 students and is open to both military and civilian personnel. NMOPDC exercises quota control with NETSAFA. Students attend classes in civilian clothing. Students are required to bring one Dress Military Uniform for orientation and graduation exercises. Students should be in good to excellent health. International trainees must report to NMOPDC for in-processing prior to 1700 hours on the last Wednesday in February preceding the scheduled Monday start date. The student should fly into Gulfport-Biloxi International Airport, Gulfport, Mississippi.

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| **P169226** | CIVCONTR | U | GAS TURB ACCIDENT INVESTIG | 1 | PSCE | Torrance, CA 90505 |

**ECL:** 70 **EIMET:** No

Investigating the engine aspects of aviation accidents is a complex, difficult challenge. This is especially true when the new high technology gas turbine engines now in use in commercial aviation are involved. The investigator, even if familiar with the traditional tools and techniques of powerplant investigation must update this knowledge to include the design aspects and failure modes of these new engines. This course is aimed at gas turbine engines installed in aircraft as part of the propulsion system. The course will discuss the basic modules of the jet engine including the inlet, fan, compression, burner, turbine and exhaust system from the standpoint of how they react as either causes or in ground impact damage in airplane accidents. The course offers an in-depth understanding of all the leading causes of engine related incidents and accidents as well as an up-to-date understanding of the interaction between these causes, the aircraft and the flight crew. You will learn to recognize the post crash evidence of the most serious engine related accidents - catastrophic rupture of the engine due to uncontained failures, and bird and ice ingestion. You will learn to recognize so-called "benign" engine failures but also will be introduced to how such failures coupled with crew error can lead to a catastrophic accident. In the first three days of class you will learn some unique investigative techniques to confirm engine involvement and major cause effect. You will then reinforce that classroom experience in examination of actual accident sites at the world s largest aviation crash laboratory. You will actually determine engine involvement and identify major causes in the field. Just as important to the investigation as the accurate gathering of evidence is the clear, concise and accurate reporting of that evidence to include clear, logical conclusions. The final part of this course will introduce you to the significance of a good report and how to draw conclusions that will support practical recommendations. Finally, You will gain some understanding of the relationship between the involvement of an engine and the rest of the aircraft and operation. This will be done through actual evidence and summaries of studies and work of various industry-wide committees. When you have completed this course you will have the skill and knowledge to actively and effectively participate in a gas turbine accident investigation and make the necessary field determinations regarding engine operation, impact damage and possible engine involvement in the accident sequence.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P169227** | CIVCONTR | U | AIRCRAFT ACCIDENT INVESTIG | 2 | PSCE | Torrance, CA 90505 |

**ECL:** 70 **EIMET:** No

Incivil aviation, investigating aircraft accidents is the responsibility of the National Transportation Safety Board (in the United States) or a similar government agency in any country that is a signatory to the ICAO Conventions. Nonetheless, under ICAO Annex 13 and in the US CFR Part 830, every operator of a civil aircraft has certain responsibilities in the event of an accident or incident. These responsibilities include proper reporting, preservation of evidence, and support of the investigation team. In addition, agencies or organizations actively involved in the accident may be invited by the NTSB to participate in the investigation. This would include the operator, airframe and engine manufacturers, and other technical experts. To be qualified to join the investigation, invited participants must have the technical expertise to support the investigation as well as an understanding of the accident investigation process in order to provide accurate and timely support. These are the regulatory reasons for understanding the aircraft accident investigation process and techniques. There is also another very important reason for understanding accident investigation. The NTSB and the FAA only become involved in those events (accident or incidents) that are reportable under Federal Regulations. But, many events occur that are not reportable which under slightly different circumstances could easily have been an accident and reportable. An effective aviation safety program must be able to identify, investigate, and correct the factors that create near accidents so that a real accident can be prevented. It is for these two reasons that SCSI has designed and offers this Aircraft Accident Investigation (AAI) course. In this course you will become familiar with the regulatory requirements for investigating and reporting, not only those requirements applicable to the United States, but also those of ICAO Annex 13 upon which almost all modern individual reporting and investigating requirements are based regardless of nation. Once you understand the reporting requirements you will learn about how to comply with the operator s responsibilities to preserve evidence and support the investigation. You will learn how to set up an interim response team that will collect and preserve evidence. You will learn what evidence to preserve and how to preserve it. You will also learn about the hazards at an accident site and how to protect yourself. You will learn the process of investigation from initial actions and set up to how to investigate each area of specialty, systems, structures, engines, and operations. You will be introduced to the areas of aircraft performance and structures that contribute to aircraft accidents and how they can be identified. You will also learn about specialized areas of investigation such as fire, midair collision, and in-flight explosion. You will learn how the use of recording devices and simulation have enhanced and improved the process of finding accident causes. Human error is estimated to be a major cause in 85% of all aircraft accidents. You will learn Human Factors to help investigate possible human error. This portion of the course will examine the role of psychological and physiological effects as well as the role of the aero-medical investigator. It has been said that a picture is worth a thousand words. Accident photography is used to document evidence and to illustrate the investigator s conclusions. There are many choices of media today, both chemical and electronic. In this course you will receive instruction in the use of both chemical and digital photography systems and have hands on experience with digital photography systems using the crash lab. Although digital cameras will be provided, you may bring your own cameras. Recent technology advances enable investigators to use the global positioning satellite (GPS) system during aircraft accident investigations. This course will includ

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P169265** | S- 8G-0501 | U | IHSAP-CAT A - MASTERS DEG | 52 | PNOS | NCBC Gulfport, MS 39501 |

**ECL:** **EIMET:** No

The Naval Meteorology and Oceanography Professional Development Center (NMOPDC), the Naval Oceanographic Office (NAVOCEANO), which is the Navy's Center for Hydrographic Expertise, and The University of Southern Mississippi (USM) have formed a partnership for hydrographic education. Academic courses for this program are taught at Stennis Space Center, Mississippi, the location of both NAVOCEANO and the USM Department of Marine Science. The partnership combines the academic programs of USM at Stennis Space Center facilities, and the expertise of NAVOCEANO personnel to train hydrographers. The hydrography curriculum has received Category "A" certification by the International Federation of Surveyors/International Hydrographic Organization Advisory Board on Standards of Competence for Hydrographic Surveyors. The curriculum can be completed in one rigorous year of studies and includes a hydrographic field project. Upon successful completion of the curriculum, students receive a Master of Science in Hydrographic Science from USM.

**PRE-REQUISITE:** Students entering the program must hold a Bachelor of Science degree or equivalent degree and be proficient in mathematics, physics, and computer science. Students seeking admission to the degree program must: (1) complete application form (http://www.usm.edu/graduatestudies/appDoc/app.pdf), (2) complete the Graduate Record Examination, (3) complete the Test of English as a Foreign Language examination, (4) have letters of recommendation sent by three individuals, and (5) submit a letter of intent expressing their academic, research, and career goals.

**COURSE NOTES:** Full-time students are admitted to the degree program only in the fall semester (August) of each academic year. All application materials for fall semester admission should be received by NMOPDC no later than 1 March. A minimum score of 560 is required on the Test of English as a Foreign Language examination for applicants whose native language is not English. NAVOCEANO exercises quota control with NETSAFA. Students should be in good to excellent health. Students must report to NAVOCEANO for in-processing prior to 1700 hours on the Wednesday preceding the scheduled Monday start date. HOUSING/TRANSPORTATION: All classes are conducted in the USM Department of Marine Sciences' facilities at SSC, Mississippi, which is located 15-25 miles from the nearest cities in the area. No military housing is available for students participating in IHSAP. They must make their own arrangements for living quarters in rental apartments or houses in the state of Mississippi during their participation in the program. There is no government or public transportation available for travel to SSC. Students must provide their own transportation to SSC from their living quarters.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P169280** | N/A | U | OCEANOGRAPHIC OBSERV SYS | 1 | VAR | |

**ECL:** 70 **EIMET:** No

Topresent a system level training program relative to Oceanographic Observation Systems design, manufacture and installation. Location of this Training: General Dynamics, McLeansville, NC for 1st part of the training; and Lockheed Martin, Manassas, VA for the remainder of the training.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P170001** | N/A | U | CCMR EXEC PRGM IN DEC MK | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Executive Program in Defense Decision-Making is a two-week Expanded International Military Education and Training (E-IMET) approved program conducted every May and October at the Naval Postgraduate School in Monterey, California. The program has been structured to emphasize the impact of transformation on security and defense decision-making in the contemporary global environment. The main themes covered include the following: Threat Assessment in the Contemporary Environment; Development of National Security Strategies; Capabilities - Based Approach for Security Challenges; Defense Institution Building; Roles & Missions of Security and Defense Forces; Intelligence Structures, Processes; Challenges in the Global Commons, including Cyber Security The course is designed for senior (0-7 and above) military officers and their civilian counterparts from legislatures, government ministries, and non-governmental organizations. Participants will have the opportunity to meet and work with leaders from around the world on issues of defense transformation and decision-making common to democratic nations. The curriculum has a strong problem-solving focus and draws examples from the experiences of many different countries. Prospective participants and SAOs should be aware of the following administrative issues: Participants: In order to facilitate interaction between students and faculty and foster an appropriate student mix, class size is limited to 25 participants. Potential students should be O-7 or above (or the civilian equivalent); however, recognizing that different countries structure their militaries differently, CCMR will consider officers at the O-6 level on a case by case basis. Ideally, participants should hold positions of responsibility concerning: strategic planning and civil-military relations issues (e.g., security policy and national strategy formulation; defense budgeting; legislative liaison; non-governmental organizations (NGOs); political party officials; academics; church officials; and other interested personnel). Countries are encouraged to nominate more than one participant depending on total class size. Accommodations Participants are normally housed on campus at the Naval Postgraduate School Bachelor Officer Quarters (BOQ). These rooms are near the classrooms where the course is conducted. The rooms include a private bath, television, telephone, internet access, and a small refrigerator and microwave oven. Medical care is available on an emergency basis only. Language: While there is no formal TOEFL requirement, ODC/SAOs and participants should be aware that the course is conducted entirely in English and that the program strongly emphasizes group discussion.

**PRE-REQUISITE:** The ECL requirement is 80.

**COURSE NOTES:**

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| **P170002** | CURR 262 PGS CBT (4CRS) | U | HUMAN SYSTEMS INTEGRATION (HSI) CERTIFICATE DL | 52 | VAR | |

**ECL:** **EIMET:** No

HUMAN SYSTEMS INTEGRATION (HSI) CERTIFICATE DL Course Description: Human Systems Integration (HSI) acknowledges that the human is a critical component in any complex system. It is an interdisciplinary approach that makes explicit the underlying tradeoffs across the HSI domains, facilitating optimization of total system performance in both non-materiel and materiel solutions to address the capability needs of organizations. The Human Systems Integration (HSI) Certificate program is a distributed learning, graduate-level, non-degree program designed to enable acquisition professionals, program managers, engineers and scientists of the DoD and other Federal agencies to effectively implement Human Systems Integration (HSI) in the acquisition of technological systems. Students will learn about the domains of HSI; the manner in which HSI is implemented in the acquisition process; and, the tools, techniques, approaches, and methods employed by HSI practitioners. Additional topics include the fundamentals of usability assessments, modeling, optimization, and decision making to demonstrate cost-benefit trade-offs for technical, cost, and schedule modifications in systems acquisition. The program consists of four online courses taken over a 12 month period. The course content and projects address problems of interest to the DoD and other Federal agencies. Students wishing to pursue a Master's Degree in HSI can apply the credits gained in this Certificate Program to that degree. Course Report Date: 11 Sep 16 (Fall) Course Length: 12 months Quotas: Limited to 30 students per year Certificate: HUMAN SYSTEMS INTEGRATION (HSI) CERTIFICATE Course POC: LAWRENCE G. SHATTUCK, Ph.D., COL, US ARMY (RET) Academic Associate 1 University Circle, Room Gl-234 Naval Postgraduate School Monterey, CA 93943 Email: lgshattu@nps.edu Phone: (831) 656-2473, DSN 756-2473 Fax: (831) 656-2595

**PRE-REQUISITE:** A baccalaureate degree is required. Other requirements include Completion of two or more pre-calculus classes with B or better average; an academic profile code (APC) of 345; completion of DAU ACQ 101 and 201A. Waivers may be considered.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170003** | N/A | U | EXPLORING THE DDR-SSR NEXUS | 0.8 | PCMR | Monterey, CA 93943 |

**ECL:** 70 **EIMET:** Yes

The Center for Civil-Military Relations through its affiliate organization, the Prevention, Relief and Recovery Program (PR&R) offers a three and one half day seminar entitled "Exploring the DDR-SSR Nexus" at a local conference venue in Monterey, California, USA. While practitioners and policy makers have often tackled the challenges associated with the Disarmament, Demobilization and Reintegration (DDR) of ex-combatants and a nation's Security Sector Reform (SSR) as separate aspects of post-conflict recovery, it is becoming increasingly clear that coordinating these activities will help achieve success in each area. Objectives: o Explore the major tensions, challenges and overlaps within the DDR-SSR nexus to identify practices that can ensure the success of each effort. o Review the new Integrated DDR Standards' (IDDRS) policy guidance on the relationship between DDR and SSR. o Identify the roles that different communities/agencies play in DDR and SSR, and how activities can be coordinated within the UN Inter-Agency Working Group on DDR and among other practitioners for maximum efficiency and effectiveness. o Expand professional networks among the communities involved in DDR and SSR activities. Methodology: The workshop will consist of a series of panel presentations, plenary discussions and small group exercises. A reception and group meals will support professional networking and in-depth dialogue. Participants: Approximately 45 representatives from civilian government agencies, non-governmental organizations, inter-governmental organizations and the armed forces will attend. Participants should be mid-to-senior level with policy-making and/or experience working in the field. Up to six slots are reserved for security assistance funded participants from outside the US. In order to guarantee diversity in the course, no one country may use more than three of these reserved slots. High demand for this course is anticipated. Enrollment decisions will be based primarily on appropriateness of the specific applicant.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P170004** | N/A | U | MET ACQUISITION PHASE II | 1 | PATM | Monterey, CA 93943-5103 |

**ECL:** 70 **EIMET:** No

CURRICULUM DEVELOPMENT Phase II for all International Defense Acquisition Resource Management (IDARM) series courses is the curriculum development phase and builds on the information gathered in Phase I. Using the country s known requirements and the latest instructional techniques, a curriculum is designed which will meet desired learning outcomes. Phase II is accomplished via MET or in CONUS. In either case, the tailored curriculum will be presented to the participating country s delegation for approval and any necessary modifications will be implemented. If desired, Phase II can include delivery of a pilot course or seminar. The preferred Phase II alternative is the CONUS program design effort at the Naval Postgraduate School (NPS) in Monterey, CA. This allows the country representatives to travel to the United States and meet with NPS faculty who will develop and deliver IDARM courses, and to become familiar with the entire range of educational activities and programs at NPS.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P170006** | CURR 245 | U | DEF PLAN CERT (GRADUATE-LEVEL EDUC DEF PLANNERS) | 13 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

Defense planning is a critical capability to ensure effective and efficient performance by an armed force, as well as to ensure the civil control of armed forces. In order to support the ability of the U.S. Department of Defense and U.S. Department of State to expand the ability to educate foreign officials in defense planning, theU.S. Naval Postgraduate School has initiated an International Defense Planning Certificate from the Department of National Security Affairs. This certificate program is a resident program that will be delivered annually during NPS's winter quarter. The program consists of four (4) graduate level courses / seminars that have been organized to appeal to mid- and higher-level civilian defense officials, as well as military officers with responsibilities for planning, organization, and management of armed forces. Sponsoring country teams and recipient countries are encouraged to engage in discussions with the Certificate's organizers prior to sending students to Monterey to design country-specific research and analysis projects to fit with on-going national defense reform efforts. The program will require the participating students to take four seminars: 1) Comparative Defense Planning (NS3246), 2) Comparative Defense Organization and Management (NS3245), 3) Defense Capability Development (NS 3021), and 4) Strategic Planning and the Military (NS3230).

**PRE-REQUISITE:** A baccalaureate degree, or its equivalent, is required.

**COURSE NOTES:** Students wishing to pursue a Master's Degree in the Department of National Security Affairs can apply the credits gained in this Certificate Program to that degree. Quotas: 25 Course Pre-requisites: A baccalaureate degree, or its equivalent, is required. The following admissions criteria apply: an undergraduate degree with at least a 2.6 GPA and a TOEFL score of 90. TOEFL waivers will be considered for students with ECL scores above 90. Course report date is 27 Dec 2016 for classes starting on 27 Dec 2016; completion 31 March 2017. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170008** | CURR 265 PGS CBT (4CRS) | U | MODELING & SIMULATION MANAGEMENT CONUS | 52 | VAR | |

**ECL:** **EIMET:** No

MODELING & SIMULATION MANAGEMENT CONUS Course Description: The Modeling and Simulation (M&S) Management Certificate consists of 4 courses designed to enable DoD and other federal workforce members to efficiently apply M&S tools to support acquisition activities throughout a program lifecycle. M&S acquisition requires substantial up-front planning and unique considerations for their effective use. The M&S Management Certificate program is targeted for students who seek further knowledge regarding the purposeful, effective application of M&S systems to support the acquisition lifecycle, for example, personnel in the DoD Acquisition Workforce. This certificate is offered jointly by faculty of the Modeling, Virtual Environments and Simulation (MOVES) Institute and the Systems Engineering Department. It is designed to increase the technical, analytical and management skills of officers and other professionals so they can efficiently apply M&S tools to support acquisition activities throughout a program lifecycle and make purposeful, effective application of M&S systems. The certificate also serves as the gateway into a distance-learning degree in M&S for Acquisition and the Master of Science in Modeling, Virtual Environments and Simulation degree in residence at NPS and in less time than for a standard resident program. The M&S Management Certificate is taught using web-based delivery, allowing students anywhere in the world to enroll. For active duty Navy officers, textbooks are the only cost. Additional information on the program can be found at http://www.movesinstitute.org/certificates.html Quotas: Limited to 30 students per year Course Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 12 months

**PRE-REQUISITE:** The student must have a baccalaureate degree with above-average grades. Familiarity with the basics of acquisition management is an assumed prerequisite. For example, NPS MN3331 or DAU ACQ101 satisfy this prerequisite.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170009** | N/A | U | CCMR INTEL AND POLICY IN RESIDENCE | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

"Policy Makers and Their Potential Contribution to Intelligence Reform in a Democracy, In Residence Course" The Center for Civil-Military Relations' (CCMR) Expanded International Military Education and Training (EIMET) approved seminar entitled "Policy Makers and Their Potential Contribution to Intelligence Reform in a Democracy" is a two week course conducted at the Naval Postgraduate School (NPS) once a year. The course aims to assist countries consolidate their democracies from the perspective of institutionalizing democratic intelligence systems (i.e. that are both transparent and effective), with particular focus on the role and contribution of policymakers to reform. In all democratic systems, intelligence reform is a "Gordian Knot" that incessantly tests policy makers: the onus is on them to develop and maintain intelligence systems that protect democracy (and are democratically accountable), while, at the same time, maintaining secrecy. There is no clear solution to this challenge. In well-established democracies policy makers have developed mechanisms to tackle the "democracy-intelligence" dilemma, yet these mechanisms are relentlessly being revised and reworked. In new democracies, however, decision makers have to create these mechanisms from ground zero, and do not always succeed in balancing effectiveness with transparency. In those that do succeed, decision makers face numerous challenges, yet, after long and protracted endeavors, may eventually manage to accommodate effectiveness and transparency. Both interest and willingness (whether self-initiated or due to outside pressure or/and incentives), as well as expertise, on the part of policy makers are paramount in successful intelligence reform. As in many democracies (old and new) policy makers, for various reasons, either lack interest or expertise (or both) on how to deal with intelligence reform, this course (which focuses on the potential contribution of policy makers to the democratic reform of intelligence) seeks to compensate for these lacunae. It includes discussions on what intelligence reform involves, discussions and debates on why democratic reform of intelligence should matter to policymakers, and why it is incumbent on them to invest time and effort in intelligence democratization, as well as insights regarding policymakers' potential contribution to reform (including inherent challenges and available practices to overcome them). The course will provide participants with a wide range of case studies and examples from both established and developing democracies. The key objectives of this course are to: 1. Provide participants with an understanding of the relevance of Intelligence Reform in a democracy 2. Provide participants with insights on why it is important that policy makers become involved in intelligence reform in a democracy (including discussion on the advantages versus negative outcomes in case they do or not engage in intelligence reform) 3. Familiarize participants with intelligence reform requirements, challenges, and opportunities; and 4. If required/needed, assist participants in developing an action plan for intelligence reform in their own countries. CCMR's approach to teaching the "Policy Makers and Their Potential Contribution to Intelligence Reform in a Democracy" course is to focus instruction on the specific conditions and unique requirements of a country, and in consonance with ODC/SAO/MILGROUP guidance. Participants will be provided with necessary theoretical knowledge by academic lecturers and experienced practitioners. The workshop utilizes case studies and simulation exercises to provide participants with the knowledge and skills needed by policymakers to reform their national security institutions. Participants will be exposed to all critical elements of intelligence reform, including: role of intelligence in supporting national security and safeguarding democracy, developing legal frameworks for intelligence, institutionalizing democratic control and oversight, professionalization of intelligence, interagency coordination, international intelligence cooperation and sharing, developing a security and intelligence culture. The course objectives are achieved through the rigorous application of problem solving with particular emphasis on working with civilian and military officials of all government and security sector branches in a group setting to develop deliverables for implementation within a recipient country. At the end of the course, the participants will have an much enhanced understanding of the opportunities and challenges associated with intelligence reform, of the need to become involved, or even to take the lead, in intelligence reform, as well as the reform impact on democratization and civil-military relations. They will be able to develop actionable recommendations to improve existing intelligence reform processes, as well as be capable of developing country-specific implementation processes and strategies.

**PRE-REQUISITE:**

**COURSE NOTES:** Participants: The seminar is designed for international civilian decision makers from all government branches (executive, legislative, judiciary), and military/intelligence officers in the ranks of major to general, as well as civil society representatives (NGOs, think tanks, academia, media). Accommodations: Participants are normally housed on campus at the Naval Postgraduate School Bachelor Officer Quarters (BOQ). These rooms are near the classrooms where the course is conducted. The rooms include a private bath, television, telephone, internet access, and a small refrigerator and microwave oven. Medical care is available on an emergency basis only. Language: -While there is no formal TOEFL requirement, ODC/SAOs and participants should be aware that the course is conducted entirely in English and that the program strongly emphasizes group discussion. -The ECL requirement is 80. The course cost does not include transportation to or from Monterey or the student's living expenses while in Monterey. There is also a Mobile Education Team (MET) version of this course, MASL P309287. Regional versions of the course could be programmed under MASL P273001.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170018** | N/A | U | MARITIME SECURITY CERTIFICATE | 4.4 | PPTE | Monterey, CA 93943 |

**ECL:** 70 **EIMET:** No

A NPS International Maritime Security educational program to give coalition military officers, law enforcement, and civilian leadership an foundational knowledge of the international maritime security environment, an understanding of tools and technology for cross organization and agency coordination to provide maritime security, and the ability to build the foundation for institutional integrity and the technical systems for maritime security. Learning Objectives: COURSE 1: Introduction to Maritime Security a. Understand the concept of maritime commons and impact on global trade b. Discuss international agreements and U.S. strategy documents concerning maritime security c. Be familiar with the threats and vulnerabilities of maritime networks d. Understand foundational measures necessary to establish maritime security in a global environment MODULE 1: Introduction MODULE 2: Laws & Agreements MODULE 3: The Threat Domain MODULE 4: Resources MODULE 5: Framework MODULE 6: Maritime Commerce MODULE 7: Singapore Case Study MODULE 8: Conclusion & Evaluation COURSE 2: Inter-Organizational Collaboration and Maritime Security a. Provide the tools to build collaborative capacity by introducing the concept of Civil-Military Fusion Center b. Focus on how to identify the challenges and enablers for effective inter-organizational systems theory as a diagnostic mechanisms to identify strategic cultural, structural, personnel, incentive, and technical factors c. Focus on how to identify strategic communication from the perspective of a network of organizations with both complementary and conflicting interests d. Interest-based negotiations as a mechanisms for collaborative planning MODULE 1: Open Systems MODULE 2: Action Planning MODULE 3: Stakeholders MODULE 4: Strategic Communication MODULE 5: Negotiation MODULE 6: Leading Networks COURSE 3: Maritime Security Resource Planning a. Explain how stability, efficiency and fairness relate to institutional integrity; b. Recognize how integrity, transparency and accountability affect mission integrity; c. Design and interpret an institutional integrity assessment instrument d. Select appropriate technologies to enhance a maritime security system MODULE 1: Foundations: Ethics and Public Policy MODULE 2: Geometric Integrity and Risk Assessment MODULE 3: Service, Solicitude and Sovereignty MODULE 4: Framework for Assessment of Materiel Requirements MODULE 5: Observe MODULE 6: Orient/Decide MODULE 7: Act MODULE 8: Infrastructure Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P170019** | CURR 379 PGS CBT (16 CRS) | U | MASTER OF COST ESTIMATING AND ANALYSIS (MCEA) | 104 | VAR |

**ECL:** **EIMET:** No

MASTER OF COST ESTIMATING AND ANALYSIS (MCEA) Course Description: The Master of Cost Estimating and Analysis (CEA) is a 24-month, distance learning graduate degree program designed to increase the accuracy and proficiency of DoD cost estimates and cost estimators. It is a joint venture between the Naval Postgraduate School (NPS) and the Air Force Institute of Technology (AFIT). The end result is a professional degree awarded for completing a curriculum focused on the practice of the profession rather than the more general arts or sciences behind the profession. Students will learn cost estimating techniques commonly used in both DoD and industry, and acquire foundation skills and hands-on experience in all aspects of cost estimation, including shipbuilding, aircraft, software, and many other areas. Students take two courses per quarter for eight quarters, beginning the last week of March in every year. Case studies and a capstone project will complete the program. This program blends web-based, online instruction, with video tele-education (VTE), and is especially tailored to students whose careers will not allow them to get away for a full-time graduate education program. While web-based courses are paced week-to-week by the instructors, students have the flexibility to do their coursework at times of their choosing during each week. The VTE classes meet at a pre-determined time, once per week for three hours during the workday. The MCEA degree is fully accredited and taught by the same faculty that teaches NPS and AFIT resident courses. It is an excellent fit for those officers and government service (GS) personnel whose career track would not otherwise lend itself to receiving a resident technical graduate education. Quotas: Limited to 30 students per year Course Pre-requisites Baccalaureate Degree (BA or BS) Completion of integral calculus GPA of 2.6 or better Written Participation Agreement Video-Tele-Education or Video Conference (VTE/VTC) location Program Manager Daniel Nussbaum, Ph.D. Code OR, Glasgow Hall, Room 242 (831) 656-2387, DSN 756-2387 FAX (831) 656-2595 danussba@nps.edu Greg K. Mislick, LCOL, USMC(ret) Code OR, Glasgow Hall, Room 202 (831) 656-3113, DSN 756-3113 FAX (831) 656-2595 gmislick@nps.edu Program Officer and Academic Associate Kevin J. Maher, CDR, USN (ret) Code OR/Mk, Glasgow Hall, Room 227 (831) 656-2691, DSN 756-2691 kjmaher@nps.edu Course Report Date: 13 Mar 16 (Spring) Course Length: 24 months

**PRE-REQUISITE:** Course Pre-requisites Baccalaureate Degree (BA or BS) Completion of integral calculus GPA of 2.6 or better Written Participation Agreement Video-Tele-Education or Video Conference (VTE/VTC) location

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170022** | CCMR - PR&R | U | AN EXPANSIVE APPROACH TO DISARMAMENT, DEMOBILIZATION AND REINTEGRATION (DDR) | 1 | VAR | |
| **ECL:** 80 | | | | **EIMET:** Yes | | |

(PREVENTION, RELIEF & RECOVERY - PR&R). The Center for Civil-Military Relations through its affiliate organization, the Prevention, Relief and Recovery Program (PR & R) offers a five-day seminar entitled " An Expansive Approach to Disarmament, Demobilization and Reintegration (DDR)" at various conference venues. Inclusion of diverse groups in DDR programs is understood by practitioners to be hugely important for success in the overall transition from conflict to peace. Hence, issues related to special needs groups (including women, children, youth, the disabled, etc.) are treated within the United Nations' Integrated Standards to guide DDR programs. However, since most DDR programs are under-funded, under-staffed and too short to facilitate effective reintegration, in practice, DDR programs have focused on the most urgent and obvious part of the problem - demobilizing male combatants. Despite this narrow focus, special needs groups pervade into every aspect of DDR, as well as the broader transition from armed conflict to sustainable peace, and must be addressed to attain success. Given these challenges and pressures, this course will provide a broad overview of the DDR process, then will focus in on how to effectively incorporate special needs groups into DDR programs. Objectives: · Review how the Integrated Standards treat issues related to special needs groups and how these ideas were developed. · Discuss various examples of how issues related to special needs groups can be incorporated into DDR program design and implementation. · Problem-solve collectively with other practitioners to identify innovative ways to overcome the endemic challenges that pressure DDR programs into a narrow, male combatant focus. · Expand professional networks among the practitioners/communities involved in DDR activities. Methodology: The workshop will consist of a series of panel presentations, plenary discussions and small group exercises. A reception and group meals will support professional networking and in-depth dialogue. Participants: Approximately 45 representatives from civilian government agencies, non-governmental organizations, inter-governmental organizations and the armed forces will attend. Participants should be mid-to-senior level with policy-making and/or experience working in the field. Several seats are reserved for security assistance funded participants from outside the US. In order to guarantee diversity in the course, no one country may use more than three of these reserved slots. High demand for this course is anticipated. Enrollment decisions will be based primarily on appropriateness of the specific applicant.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P170023** | CCMR - PR&R | U | WORKING IN THE SAME SPACE | 1 | PCMR | Monterey, CA 93943 |
| **ECL:** 80 | | | | **EIMET:** Yes | | |

The Center for Civil-Military Relations through its affiliate organization, the Prevention, Relief and Recovery Program (PR&R) offers a four and a half day seminar entitled "Working in the Same Space" at a local conference venue in Monterey, California, USA. This seminar will emphasize cross-community understanding and communication skills that focus on ways in which government civilian agencies, non-governmental organizations, inter-governmental organizations and the armed forces can work more effectively alongside each other in insecure environments. Objectives: o Enhance understanding of stabilization and response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter-governmental organizations). O Expand communication, negotiation and collective problem solving skills to help facilitate cooperation and coordination between the various communities involved in stabilization and reconstruction activities. O Develop the capacity to build trust, identify shared objectives, and promote collaboration. O Explore emerging concepts and initiatives from the various communities. Methodology: The workshop will consist of a series of panel presentations, plenary discussions and small group exercises. A reception and group meals will support professional networking and in-depth dialogue. Participants: Approximately 45 representatives from civilian government agencies, non-governmental organizations, inter-governmental organizations and the armed forces will attend. Participants will be from the United States as well as other countries. Participants should be mid-to-senior level with policy-making and/or experience working in the field. In order to guarantee diversity in the course, no one country may send more than eight individuals. Countries wishing to host a course comprised of participants mostly from a single country should contact the PR&R staff for assistance. High demand for this course is anticipated. Enrollment decisions will be based primarily on appropriateness of the specific applicant.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170024** | CCMR - PR&R | U | ISSUES IN DEFENSE GOVERNANCE | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This workshop is designed to strengthen Ministries of Defense (MoDs) by convening mixed groups of officials from MoDs and Joint or General Staffs to discuss issues and share approaches to defense management structures/processes and human resource development of the MoD staff. Specific issues to be addressed will be developed each year; topics will also depend, in part, on which countries choose to attend and their current challenges at the time. Illustrative topics include: processes for sharing the work between MoD and Joint/General Staff; developing internal MoD processes; adjusting organizational structure to support desired function; managing mixed civilian-military staffs within a ministry; developing the defense competencies of a civilian staff; mid-level leadership/management skills in a ministry; etc. Participants should come prepared to share their own experiences and their country's approach to managing the defense sector (e.g., design and roles of the MoD, processes for sharing work between the MoD and military headquarters, and methods of legislative oversight). Objectives: "Compare and contrast defense governance practices used by various national governments. "Identify challenges associated with the various types of defense governance structures and processes, and areas for improvement. "Explore collaboration, leadership and management processes of the MoD. "Expand and enhance defense governance practitioner networks. Methodology: The workshop will consist of a series of presentations, plenary discussions and small group exercises. A reception and group meals will support professional networking and in-depth dialogue. Participants: The workshop is designed for a wide mix of countries and governance practitioners to be represented. Up to 25 mid- to senior-level civilian officials, military officers and governance practitioners may attend. In the selection process preference will be given to actual and former officials from Ministries of Defense, military headquarters, and legislative oversight bodies. High demand for this course is anticipated. Enrollment decisions will be based primarily on appropriateness of the specific applicant.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170025** | CURR 581 | U | SYSTEMS ENGINEERING PHD 3 YR | 156 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The Department of Systems Engineering offers a Doctor of Philosophy (Ph.D.) degree in Systems Engineering. Students take graduate level courses in systems engineering (as needed to pass the oral and written qualifying examinations), advanced graduate courses in systems engineering and an application domain, and perform research that leads to a dissertation involving some aspect of systems engineering. Research topics may be selected from a broad variety of studies of the systems engineering process, applications of systems engineering to solving complex problems, systems level modeling and simulation, and systems suitability assessment. Subject to approval of the student's dissertation committee chairman, dissertation research may be conducted away from NPS at cooperating facilities. Students must satisfy a one-year residency requirement. This may be met by completing periodic extended stays (nominally two weeks per quarter) at an NPS campus spread throughout the duration of the student's program. Ideally, applicants should possess an M.S. degree in Systems Engineering. Applicants with only a B. S. degree or an M.S. degree in another discipline will be required to take a number of systems engineering courses (equivalent to the coursework portion of an MSSE degree program) to pass the qualifying examinations. Unless an M.S. thesis and any other ABET accreditation requirements are also satisfied, an M.S. in Systems Engineering degree will not be awarded for this preparatory work.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Report Date: Any quarter (September preferred) Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170026** | CURR 257 (1 QTR) | U | CYBER SECURITY FUNDAMENTALS CERTIFICATE | 13 | PGS | Monterey, CA 93943 |
| **ECL:** | | | | **EIMET:** | No | |

The Cyber Security Fundamentals graduate certificate is intended to provide a technically rigorous foundation upon which to build knowledge and skills in computer network defense, attack and exploitation. Each course is comprised of both instruction and laboratory exercises involving cyber security aspects of computers and networks. These synergistic activities allow students to internalize key concepts in cyber security. The courses and material covered in the Cyber Security Fundamentals certificate satisfy prerequisite requirements for advanced cyber security courses offered by the Computer Science Department of the Naval Postgraduate School. The three courses in the certificate sequence are a subset of the graduate courses in the Department's Computer and Network Security specialization track.

**PRE-REQUISITE:**

**COURSE NOTES:** This certificate program can also be applied toward a master's degree program, e.g. to Curriculum 368. Required Courses: CS3600 Introduction to Computer Security or CS 4600 Secure Systems Principles CS3670 Information Assurance: Secure Management of Systems CS3690 Network Security or CS3695 Network Vulnerability Assessment and Risk Mitigation. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P170027** | CURR 259 (1 QTR) | U | CYBER SECURITY DEFENSE CERTIFICATE | 13 | PGS | Monterey, CA 93943 |
| **ECL:** | | | | **EIMET:** | No | |

Using the foundation established through the Cyber Security Fundamentals certificate, students enrolled in Cyber Security Defense graduate certificate, will obtain a detailed understanding of and ability to function in real operational situations involving cyber security. They will gain the technical depth required to actively prepare for and respond to attacks. Students will learn to analyze network traffic to extract the observable characteristics of networks and network devices, thus providing a basis for defensive strategies. They will learn to build tools and how to configure systems and networks to permit systems to foster resiliency and continuity of operations, perhaps with reduced capacity, through attacks. Students will learn how to construct systems and tools to mitigate the impact of malicious software. Students will learn forensic techniques to retrieve and analyze stored information that may be corrupted or hidden. Considerable programming and hands-on work with systems and networks will be required. Entire courses, or units within them, may be taught at the classified level, thus facilitating classroom discussions on emerging challenges and capabilities. Students entering this program are expected to have a strong foundation in cyber security and networking. In addition, entering students will be expected to understand and use the languages and techniques of operating system and network component development: the C programming language, assembly, shell scripting, use of linkers, loaders, and debuggers.

**PRE-REQUISITE:**

**COURSE NOTES:** This certificate program can be applied toward a master's degree program, e.g. to Curriculum 368. Required courses: CS4558 Network Traffic Analysis CS4677 Computer Forensics CS4684 Cyber Security Incident Response and Recovery or CS 4600 Secure Systems Principles Course Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 6 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P170028** | CURR 278 PGS CBT (4CRS) | U | IDENTITY MANAGEMENT CERTIFICATE | 26 | PGS | Monterey, CA 93943 |
| **ECL:** | | | | **EIMET:** | No | |

Identity Management (IDM) is a growing concern throughout defense, government, and private sector organizations. It includes an infrastructure that supports the identification of humans in physical space, and the logical identification of human and non-human subjects, hardware, and software in cyber space. The IDM Certificate is offered as a two-quarter program and is conducted in a hybrid mode that involves a one-week program of intense IDM education at NPS followed by 9 weeks of remote learning, and culminates with an on-site (NPS campus) course work at the end of the academic quarter. The hybrid approach reduces student attrition and has resulted in considerable esprit de corps and camaraderie among the students who represent a mixture of military and government civilians. The IDM Certificate takes approximately 6 months, to complete. Upon completion of the courses with adequate grades, students may apply IDM course credits toward Identity Management specialization tracks in either the Computer Science or Information Sciences degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** A sponsoring country would be required to fund a full cohort of at least 10 students. Required courses: CS 3686 Identity Management Infrastructure CS3699 Biometrics IS3710 Identity Management Operations IS3720 Identity Management Policy. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170029** | N/A | U | JOINT AND INTERAGENCY PLANNING COMBATING TERRORISM | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar 'Joint and Interagency Planning for Combating Terrorism' in-residence to visiting delegations from individual partner nations. The main objective of the program is to examine how governments can respond to terrorism - both the threat and the reality - most effectively. Supporting themes are joint military operations and whole-of-government approaches to a comprehensive set of strategies against terrorism. Defense is only one component of this effort, and in some countries it is a small component. Terrorism is a threat to all of society, and governments respond to the needs of their citizens; the most important of which is security - at the personal, community, and national levels. In order to provide all levels of security, government institutions must have clear responsibilities and work together to achieve political and operational objectives. This course will give visiting delegations an opportunity to build joint and interagency strategic approaches to removing terrorism as a threat to their societies. The course is a seminar with four embedded workshops. Classes will be broken down into small groups for developing deliverable products, which are then shared with the rest of the class. Content includes the following: The Role of Defense in National Security All-Hazards Risk Analysis Risk Analysis Workshop Developing Interagency Strategy Institutional Roles Workshop Developing Defense Strategy Armed Forces Roles and Missions Workshop Resourcing Defense Roles and Missions Measuring Efficiency and Effectiveness Measures of Effectiveness Workshop Preparing for 21st Century Threats Curricula are shaped through an iterative process, using key personnel from CCMR, the Security Assistance office, and the host nation. All versions of this course are tailored to the unique circumstances faced by the visiting government. CCMR content is used as a catalyst to stimulate our international colleagues to think through their own challenges - with the assistance of CCMR faculty members. Participants: The course is designed for mid-senior grade military officers and civilian officials from a single country with responsibilities for combating terrorism. Participation is determined by Security Assistance offices, working with their host nation counterparts. The course will be constructed to resonate with the particular audience selected.

**PRE-REQUISITE:**

**COURSE NOTES:** Accommodations: Visiting delegations will be lodged at The Naval Postgraduate School officer's quarters at a rate far below that of Monterey hotels. If accommodations are not available on base, alternative accommodations will be arranged. Language: The course will be conducted in English, unless the visiting delegation wishes to provide simultaneous interpretation into another language. Translation and interpretation costs will be factored into the SCO budget for this event.

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| **P170030** | N/A | U | MANAGING ETHNIC CONFLICT AND RELIGIOUS VIOLENCE | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This 2-week seminar offered by the Prevention Relief & Recovery (PR&R) program of CCMR introduces contemporary thinking on what causes and animates ethnic and religious tensions and violence. Participants learn and practice conflict analysis to facilitate evaluation of the various approaches governments use to manage these difficult situations. The engagement includes case studies as well as the personal testimonies of insiders from recent ethnic and religious violence. Participants will explore effective strategies of prevention and response and defense-sector reforms to enhance capacity, as well as develop their own take-away products. The workshop is oriented at the conceptual and societal level of analysis - it will not focus on tactical security techniques for confronting violence. The seminar is highly relevant for participants who either live in divided societies or may operate in areas facing ethnic or religious divisions. Since participants will be a mix of US and international civilian and military officials the seminar provides an excellent opportunity for cross-community engagement and the development of partnering skills. This seminar is E-IMET certified. Objectives: 1. Develop a strong understanding of the origins and dynamics of ethnic and religious violence. 2. Review and apply analytical tools for conflict analysis. 3. Investigate the various approaches used to prevent and respond to ethnic and religious violence and develop alternative approaches or strategies. 4. Explore the typical errors countries make and compile a more effective strategy of prevention and response. 5. Discuss and develop defense and security sector institutional reform proposals that can better equip national forces to prevent or respond to ethnic and religious violence. 6. Develop participant's own case studies and learning modules to facilitate sharing and proliferation of key concepts once participants return to regular duty. 7. Build professional networks between and among conflict prevention and conflict management practitioners from the US and other countries.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170032** | N/A | U | ENERGY SECURITY POLICY & PRACTICE (OIL& GAS FOCUS) | 2 | PPTE | Monterey, CA 93943 |

**ECL:** 70 **EIMET:** No

The 2-week resident course taught at the Naval Postgraduate School focuses on Energy Security Policy and Practice in the Oil and Gas sectors. The course begins with an overview of the issues and factors which create energy security including the political aspects of national security, identification and exploitation of strategic natural resources, storage, supply, the development and protection of critical energy infrastructure, and economic impacts. After examining the micro (national) focus of a given country (dependent on student demographic), the course moves in the macro (global) economic context of the oil and gas industry including planning, policy, environmental impact issues, renewables, and emerging technologies. This course includes 2 full-day site visits which reinforce the learning objectives. Learning Objectives: a. Understand the critical components of Energy Security b. Understand the international legal aspect of Energy Security and strategic energy resources c. Understand the relationship between oil and gas resources, national security, and the economy d. Understand the various emerging technologies related to energy development e. Understand renewable energy sources and the economic drivers which determine viability f. Ability to conduct basic cost benefit analysis on various energy options to determine best investments for sustainable energy options g. Ability to develop proper energy management solutions that efficiently utilize resources to deliver energy where and when needed Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:** Network Security

**COURSE NOTES:**

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| **P170033** | N/A | U | ADV STUDIES HUMAN RIGHTS & HUMANITARIAN LAW - DIP | 3 | PAMU | Washington, DC 20019 |

**ECL:** **EIMET:** No

ADV STUDIES HUMAN RIGHTS & HUMANITARIAN LAW - DIPLOMA ***This is the DIPLOMA-earning version of ADV STUDIES ON HUMANITARIAN RIGHTS & HUMANITARIAN LAW. For the CERTIFICATE PROGRAM see P170034.*** The Academy on Human Rights and Humanitarian Law was created to promote practical approaches to human rights and humanitarian law as well as to strengthen links between human rights organizations, practitioners, and educators worldwide. The intent in offering this program is to enhance the culture and prominence of human rights and humanitarian law within Mexico by offering relevant, empowering training for Mexican military attorneys interested in the international human rights system and laws. The program immerses students in the subject of human rights and humanitarian law and, importantly, offers 9 or its nineteen classes in Spanish, offering the participants the unique opportunity to participate in a human rights program in a U.S. law school being taught in their native tongue by Latin American legal experts. SCOPE - The Academy offers a Diploma program and a certificate of attendance program. The scope of this MASL request is the Diploma program. Participant must register for at least 64 hours of class, which can be achieved by taking two 14 day courses and one 7-day course. An optional fourth course is included in these costs. There are mandatory exams which can be taken on-line up to three weeks after the last day of classes. Persons pursuing the Diploma MUST have already attained a law degree. It is currently the intent of USNORTHCOM to require that any nominated SEDENA or SEMAR military attorney attending the program agree to earn a Diploma rather than a Certificate of Attendance.

**PRE-REQUISITE:** Particpipants must have a law degree.

**COURSE NOTES:** Participants must have a law degree to attend this course. USNORTHCOM requires any nominated SEDENA or SEMAR military attorney attending the program agree to attend this Diploma Course rather than a Certificate of Attendance (P170034). Participant must register for at least 64 hours of class, which can be achieved by taking two 14 day courses and one 7-day course. An optional fourth course is included in these costs. There are mandatory exams which can be taken on-line up to three weeks after the last day of classes. This course is scheduled to run for the first time from May 25, 2015 to 12 June, 2015. Classes will end in the middle of June. Students have up to three weeks to complete exams, which they will do online in their own country. Nominated miltary attorneys are required to apply to American University individually by May 1, 2015. Future IMSs will need to check with their SCOs/CPMs for subesquent deadlines. The diploma tuition cost is $3800 per student. Those SEDENA and SEMAR students attending the program will be provided single rooms in a Residence Hall. The lodging cost is $75 per night for a single room.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170034** | N/A | U | ADV STUDIES HUMAN RIGHTS & HUMANITARIAN LAW - CERT | 3 | PAMU | Washington, DC 20019 |

**ECL:** **EIMET:** No

ADV STUDIES HUMAN RIGHTS & HUMANITARIAN LAW - CERTIFICATION ***This is the Certificate of Attendance-earning version of ADV STUDIES ON HUMANITARIAN RIGHTS & HUMANITARIAN LAW. For the DIPLOMA PROGRAM see P170033.*** Course Decription: The Academy on Human Rights and Humanitarian Law was created to promote practical approaches to human rights and humanitarian law as well as to strengthen links between human rights organizations, practitioners, and educators worldwide. The intent in offering this program is to enhance the culture and prominence of human rights and humanitarian law within Mexico by offering relevant, empowering training for Mexican military attorneys interested in the international human rights system and laws. The program immerses students in the subject of human rights and humanitarian law and, importantly, offers 9 or its nineteen classes in Spanish, offering the participants the unique opportunity to participate in a human rights program in a U.S. law school being taught in their native tongue by Latin American legal experts. SCOPE - The Academy offers a Diploma program and a certificate of attendance program. The scope of this MASL request is the Certificate of Attendance program. While the school requirement for the certificate is only one class, it is USNORTHCOM's intent to require participants to register for at least 64 hours of class, which can be achieved by taking two 14 day courses and one 7-day course. An optional fourth course is included in these costs. There are no mandatory exams for the certificate program. It is currently the intent of USNORTHCOM to offer the Academy Certificate program to SEDENA or SEMAR non-attorney military officials.

**PRE-REQUISITE:** Participants must hold a bachelor's degree from an accredited institution in a field related to international affairs, government, political science, journalism, or any other field related to human rights - this is broadly interpreted.

**COURSE NOTES:** Participants must have a bachelor's degree from an accredited institution to attend this course. USNORTHCOM intends to offer the Academy Certificate Program to SEDENA and SEMAR non-attorney military officials rather than the Diploma Probram (P170033). Participants should register for at least 64 hours of class, which can be achieved by taking two 14 day courses and one 7-day course. An optional fourth course is included in the course. An optional fourth course is included in cost estimates. There are no mandatory exams for this Certificate Program. Persons pursuing the Certificat MUSt have already attanced a bachelor's degree from an accredited institution in a field related to international affairs, government, political science, journalism, or any other field related to human rights - this is broadly interpreted. This course is scheduled to run for the first time from May 25, 2015 to 12 June, 2015. Classes will end in the middle of June. There are no exams for this Certificate Program. Nominated miltary professionals are required to apply to American University individually by May 1, 2015. Future IMSs will need to check with their SCOs/CPMs for subesquent deadlines. The certificate tuition cost is $1200 per student for the first course, and $750 for each additional course. Those SEDENA and SEMAR students attending the program will be provided single rooms in a Residence Hall. The lodging cost is $75 per night for a single room.

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| **P170035** | CURR 581 | U | SYSTEMS ENGINEERING PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The Department of Systems Engineering offers a Doctor of Philosophy (Ph.D.) degree in Systems Engineering. Students take graduate level courses in systems engineering (as needed to pass the oral and written qualifying examinations), advanced graduate courses in systems engineering and an application domain, and perform research that leads to a dissertation involving some aspect of systems engineering. Research topics may be selected from a broad variety of studies of the systems engineering process, applications of systems engineering to solving complex problems, systems level modeling and simulation, and systems suitability assessment. Subject to approval of the student's dissertation committee chairman, dissertation research may be conducted away from NPS at cooperating facilities. Students must satisfy a one-year residency requirement. This may be met by completing periodic extended stays (nominally two weeks per quarter) at an NPS campus spread throughout the duration of the student's program. Ideally, applicants should possess an M.S. degree in Systems Engineering. Applicants with only a B. S. degree or an M.S. degree in another discipline will be required to take a number of systems engineering courses (equivalent to the coursework portion of an MSSE degree program) to pass the qualifying examinations. Unless an M.S. thesis and any other ABET accreditation requirements are also satisfied, an M.S. in Systems Engineering degree will not be awarded for this preparatory work.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Report Date: Any quarter (September preferred) Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P170036** | N/A | U | GOVERNANCE AND SECURITY IN SUB-SAHARAN AFRICA | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed, Expanded International Military Education and Training (E-IMET) certified program entitled "Governance and Security in Sub-Saharan Africa" for all IMET recipient countries, to be conducted in Monterey, California. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). The main theme of this program is to examine the interfaces between security and governance common to developing countries in the region. An important aspect of this discussion will be to distinguish between traditional security (the state level) and human security (the individual level), and to discuss how (or if) governments should use armed forces to do both. The intended audience for this course goes far beyond the military, reaching into every institution and requiring the participation of civilian officials from across the spectrum of government. Human security is everyone's business; some governments choose to avoid using armed forces directly, but other institutions often need the capacity that resides in the defense establishment. The key question to be debated here will be "How should the military support human security goals without sacrificing its crucial national defense role?" The default answer (which manifests differently in every society) is to build a balanced set of high-capacity and inclusive institutions willing to work together in the pursuit of a government that is politically stable for long enough to produce reliable governance and security. The key objectives of the course are to provide instruction, discussion, classroom exercises, participant country presentations, as well as a workshop focused on African futures. Specific milestones will include: 1) Survey the challenges of governance and security common to Sub-Saharan Africa. 2) Think deeply and collectively about how governments in the region can use military forces - and all security forces - to complement civilian efforts to reduce insecurity in the areas of health, food, education, environmental, and other aspects of human security. 3) Conduct "all hazards" risk assessment of threats to traditional and human security in the region. 4) Examine the related issues of extremism and social cohesion in the context of good governance. 5) Discuss the crucial role of civil-military relations and human rights performance within developing democracies, and how the mechanisms of civilian control help governments attain the larger goals of human security. 6) Conduct a workshop for looking into the future of Sub-Saharan Africa as a collection of states whose potential for political development and economic growth rests heavily on security issues. This course is offered during 5th Quarter at The Center for Civil-Military Relations (CCMR) at The Naval Postgraduate School in Monterey, CA. It is scheduled consecutively with other CCMR Monterey courses that could be of interest to the same individuals, allowing security assistance officers to save travel costs. Faculty Teams CCMR provides world-class subject matter experts from academic, military, or private sector backgrounds. It is our intention to include at least one guest faculty member for each course iteration, either from The Africa Center for Security Studies (ACSS) or from a selected African government. Each delegation will be asked to provide a classroom presentation regarding his/her own government's governance and security issues for discussion by the group.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P170037** | N/A | U | DEV SUSTAINED INSTITUTIONAL CAP COMBATINGTERRORISM | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a 5-day seminar on the role of institutions in fighting terrorism. This E-IMET certified program focuses on what governments must do to build and sustain the institutions needed to combat terrorism successfully. This course goes beyond the traditional security sector to include virtually all government institutions. Terrorism is a complex problem that cannot be defeated with only coercive force. All governments must develop a balanced set of institutions, and then distribute scarce resources to sustain each one's capacity to fulfill its vital role. Such a "whole of government" approach is difficult to initiate and maintain, but it offers the only real long-term solution to the problem. The intended audience for this course is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). The audience will be sourced from all regions, providing a wide diversity of experience in the classroom. Workshops embedded in the course will allow all participants to contribute to the learning, and to produce deliverable products that can be used to improve structures and processes in their own governments. The key objectives of the course are to provide instruction, discussion, classroom exercises, and participant country presentations. Specific and interconnected themes will include: 1) Examine the difference between networks based on individuals and institutions that function over the long term without becoming vulnerable to human weaknesses. The degree to which governments have consolidated democracy is a function of institutional development. 2) Investigate how governments build Joint Task Forces and Fusion Centers in an effort to bring various institutions into harmony. Students will use a workshop to imagine and build the ideal 'CT Center,' taking those concepts home to apply there. 3) Discuss how governments can take smart individuals and create high capacity and clean institutions. This module will emphasize leadership and the dysfunction that ensues without it. A workshop will allow students the opportunity to construct a ministry for 'Emergency Management' from scratch. 4) Consider all possible sources of funding needed to build and sustain CT institutions. Students will work together to find resources for the new ministry constructed in the previous workshop. This exercise will force everyone to think about trade-offs in resource distribution. 5) Examine the CCMR 'Assessment Framework' for evaluating CT institutions, improving the tool for use in participant home countries. 6) Country presentations and case studies will be discussed in order to draw lessons learned and best practices regarding institutions in the fight against terrorism. This course is offered during 5th Quarter at The Center for Civil-Military Relations (CCMR) at The Naval Postgraduate School in Monterey, CA. It is scheduled consecutively with other CCMR Monterey courses that could be of interest to the same individuals, allowing security assistance officers to save travel costs. Faculty Teams CCMR provides world-class subject matter experts from academic, military, or private sector backgrounds. Each delegation will be asked to provide a classroom presentation regarding his/her own government's governance and security issues for discussion by the group.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170212** | CURR 805 PGS CBT(17 CRSES) | U | EXECUTIVE MBA (EMBA), DEFENSE FOCUS (CONUS) | 104 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

EXECUTIVE MBA (EMBA), DEFENSE FOCUS (CONUS) Course Description: The Executive Master of Business Administration (EMBA), offered by the Graduate School of Business & Public Policy (GSBPP), is designed to provide Navy officers with the knowledge and skills needed to be successful in future resource management assignments. The program's Defense-focused courses educate officers to think analytically, to synthesize information from a wide range of sources, and ultimately to make quality strategic decisions under conditions of uncertainty. In short, the goal is to provide the Navy with senior leaders prepared to face the business challenges and make the resource allocation decisions critical to achieving the objectives of the Navy. Students who are accepted into the EMBA program meet for classes once a week during duty hours in their local area. Officers enter as a "cohort", taking all classes together during the 24-months of instruction. The EMBA starts with a one-week introductory program at the NPS Monterey campus, including a two credit hour course in Managing Teams. Cohorts then return to their duty stations and the remainder of courses are taught using a blended program of distance learning approaches, which allows the EMBA to be offered to virtually any command equipped with appropriate video teleconferencing facilities. Officers remain at their current duty stations and carry out their assigned duties, while taking two graduate courses during eight successive academic quarters. Additional information on the program can be found at www.nps.edu/Academics/GSBPP/EMBA/. Degree - Executive Master's of Business Administration (EMBA) Course Report Date : 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 24 months Limited to 100 students per year

**PRE-REQUISITE:** An entering student must possess an undergraduate degree with at least a 2.6 grade point average (245 APC).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170214** | CURR 274 PGS CBT (4 CRS) | U | ANTI-SUBMARINE WARFARE CERT PROGRAM (ASW) CONUS | 52 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

ANTI-SUBMARINE WARFARE CERT PROGRAM (ASW) CONUS CURR274 PGS CBT (4 CRS) Course Description: The curriculum for the Anti-Submarine Warfare (ASW) Certificate Program supports the needs of the Navy in ASW, and complements existing warfare ASW training and qualification. The ASW Certificate Program provides a science and engineering foundation which covers fundamental concepts in four areas: Physical Oceanography; Signal Processing; Operations Research; and Engineering Acoustics. These subjects are the educational cornerstone for this highly interdisciplinary certificate program. Anti-Submarine Warfare encompasses multiple disciplines. The ASW Certificate is a distance learning curriculum that consists of four fully accredited courses delivered by multiple modes of instruction. Offered over a one-year period, these courses develop critical analytic skills and understanding of fundamental principles applied in ASW. Course Start: Contact the Program Manager. Course Report Date : 13 Mar 16 (Spring) Course Length: 15 months Quotas: Limited to 25 students per year.

**PRE-REQUISITE:** Baccalaureate Degree (BA or BS) Written Command Endorsement A working knowledge of single-variable calculus (MA1113) Probability and statistics

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170370** | N/A | U | CYBERSECURITY POLICY AND PRACTICE | 1 | PCMR | Monterey, CA 93943 |
| **ECL:** | 70 | | | **EIMET:** | Yes | |

The Center for Civil-Military Relations (CCMR) offers a one-week resident course in Monterey, California entitled "Cybersecurity Policy and Practice" for nations that are interested in developing capabilities to defend cyberspace from attack. National security, economic prosperity and citizen safety are threatened daily through exploitation, intrusion or disruption in cyberspace by criminal, transnational or regional competitors. This one week, in-resident course prepares decision-makers to effectively consider, design and implement policies and practices for safeguarding unfettered access to and use of cyberspace. The key objectives of the seminar are to familiarize participants with: -Cyber Attack Vectors, Vulnerabilities and Risks -Cyber Conflict Elements, Ethics and Regimes -Security Plans, Frameworks and Controls In an effort to build capacity for economic growth and innovation, participants will explore policies and practices for maintaining advantage over competitors that seek to exploit, disrupt, or damage the networks and systems our societies and militaries depend upon. They will examine barriers to effective policy and practice development and ways to respond using a comprehensive approach for cybersecurity. The seminar will offer a menu of congruent topics to include: -Policy aspects for a global domain, including cyber analogies and intelligence, cyber conflict considerations and ethical issues, plus cyber deterrence and international regimes. -Practices to enhance partner capabilities, such as security management plans, defensive measures, vulnerability assessment tools, and cyber security frameworks. The delivery format combines informational presentations on academic theory and practical frameworks with a notional cyber security posture and capability assessment of awareness and capacity to counter cyber threats in scenarios based on actual attacks. The participants will learn how to select and field capabilities to identify, protect, detect, respond and recover in case of a cyber attack against systems of critical importance. This event is delivered by the Center for Civil-Military Relations in partnership with the Defense Analysis Department and the Cyber Academic Group at the Naval Postgraduate School. Participants: The seminar is designed for international officers and officials from ministries of defense, foreign affairs, and information and communication technologies. Faculty Teams: consist of academic scholars, proven subject-matter experts and experienced practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:** Course will be taught in English.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170371** | N/A | U | NETWORK SECURITY | 10 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

The 10-week resident course taught at the Naval Postgraduate School (1 week resident; 8 weeks distributed learning; 1 week resident) is to provide a thorough conversational knowledge of all dominant terminology, principles and technologies involve in the bits-in-transit aspect of network security. Learning Objectives: a. Understand the protection of legitimate network traffic via cryptographic mechanisms b. Ability to detect and filter malicious network traffic via authentication methods, attack signature recognition and filter mechanisms and strategy c. Understand the patterns and protocols of “normal” network traffic d. Understand the rudiments of firewall deployment and rule-writing e. Properly apply cryptographic mechanisms to achieve the security objectives of confidentiality and/or integrity Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170372** | N/A | U | CYBER INCIDENT HANDLING & DISASTER RECOVERY PLAN | 10 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

The 10-week resident course taught at the Naval Postgraduate School (1 week on-site; 8 weeks distributed learning; 1 week on-site) defines the nature and scope of cyber security incident handling. It covers policy, planning, operations, and technology issues involved in and related to cyber incident handling plans. Learning Objectives: a. Understand intrusion/incident detection b. Able to minimize losses of service c. Maintain service continuity d. Conduct forensic analysis e. Understand Business Continuity (BCP), Disaster Recovery (DRP), and Continuity of Operations (COOP) f. Understand how to respond to specific incident types including: natural disaster, denial of service, malicious code, malicious misuse of hardware and firmware, unauthorized access, and data compromise Students will be evaluated through: Seminar discussions Written papers Exercise participation.

**PRE-REQUISITE:** Network Security (P170371)

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170373** | N/A | U | NETWORK TRAFFIC ANALYSIS | 10 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

The 10-week course (1 week on-site; 8 weeks distributed learning; 1 week on-site) builds upon the course Network Security by focusing upon the analysis of actual network traffic. Learning Objectives: a. Understand network protocol behavior b. Distinguish between “normal” and “abnormal” (likely malicious) online/network behavior and recommend mitigation plans c. Master the utilization of a protocol/traffic analyzer d. Develop forensic explanations for realized configuration errors or malicious attacks Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:** Network Security (P170371) Cyber Incident Handling and Disaster Recovery Planning (P170372)

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170374** | N/A | U | (PSOM)STAGE 1:COMP INTRO SIMULATION/MODEL EXERCISE | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

Stage 1: Comprehensive Introductory Simulation/Modeling Exercise Description: The Peace Support Operations Model (PSOM) places participants in a realistic peace support operation (PSO) environment, during which time participants act and make decisions, which directly affect a PSO scenario. This 5 day resident course introduces participants to PSOM through a predeveloped scenario, developing their awareness for the value of modeling and simulation to support peace support operation (PSO) education. Learning Objectives: a. Understand the development background of PSOM b. Understand the PSOM exercise structure and how real world decisions are translated and input into model c. Develop basic PSOM user interface skills Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170375** | N/A | U | PEACE SUPPORT OPERATIONS MODELING (PSOM) EXERCISE AND SKILLS SUSTAINMENT | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

This course is designed for participants already familiar with the Peace Support Operations Model (PSOM). The course enhances the knowledge gained from Stage 1, a prerequisite, and goes further to link modeling and simulation with education and training objectives. Learning Objectives: a. Sustain skills acquired in Stage 1 of PSOM training b. Apply modeling and simulation activities to education and training objectives c. Strengthen staff planning and military decision making processes d. Address PSO concerns specific to nation Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** Peace Support Operations Modeling (PSOM) Stage 1: Multi-level PSO Gaming (Country or Region Specific Simulation/Modeling

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|---|---|---|---|---|---|---|
| **P170376** | N/A | U | INTERNATIONAL MARITIME SECURITY | 2 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

The modules of this course build towards a group project that the participants work on for the duration and present at the end of the course. It is highly recommended each country send 3 or more people to form a project group. This 10 day resident course addresses the application, strategies, and best practices of Maritime Security to promote increased stability and national security while countering illicit trafficking. Designed to highlight the issues facing governments, maritime armed forces, and merchant shippers including piracy threats, legal aspects of open seas engagement, protection of national/commercial interests, port security, and maritime defense. This course may be conducted for participants from a single or country or regionally with participants from multiple partner countries in order to leverage scarce resources. Learning Objectives: a. Develop roadmaps to improve national and/or regional maritime security b. Understand various strategies for countering illicit trafficking c. Demonstrate understanding of best practices for maritime security Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170377** | N/A | U | INTERDICTION OPS: MARITIME & GROUND EMERGING TECHN | 2 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

This 10 day resident course taught at the Naval Postgraduate School explores emerging technologies and methodologies of interdiction operations including remote sensing, detection, identification, trafficking, and shared situational awareness across distributed networks. The course includes case studies and hands-on exercises to reinforce the learning objectives. Learning Objectives: a. Understand new technologies and methodologies in interdiction operations b. Understand multiple stakeholder methodologies for command and control in interdiction operations including: naval and maritime forces, special operations forces, and civilian police forces c. Understand benefits of tactical networking d. Understand benefits of cyberspace collaboration across stakeholders to support strategic interdiction objectives Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170378** | N/A | U | CYBER SECURITY | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

The 5 day resident course taught at the Naval Postgraduate School provides the leadership of participant nations' armed forces information on the security issues facing governments and militaries. Lab exercises will be used to improve the students' detailed knowledge of security threats and the methods used to exploit them as well as expand familiarity with the methodologies and motives used by those who will attack the networks they may someday defend. Learning Objectives: a. Understand methods used to obtain information about a remote network b. Understand methods used to exploit or subvert systems residing on a network c. Learn techniques to mitigate risks to networked systems d. Gain practical experience with current network attack and vulnerability assessment tools, as well as tools and methodologies for a systematic approach to reducing vulnerabilities Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170394** | N/A | U | PROTECTION OF CIV PKO & PSO (TRAIN THE TRAINER) | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

This is a Train-the-Trainer iteration of a subject specific program. Emphasis will be placed on building sustainable training skills of the participants in PoC as it relates to UN PKO/PSO. This short-course is designed to provide a common conceptual understanding of PoC in the context of UN peacekeeping and the range of protection actors who work alongside peacekeeping operations. It describes the range of protection threats facing civilians and the role of peacekeepers in protecting against those threats. The course will identify the range of legal rules, authorities and obligations that govern the actions of Peacekeepers with regards to PoC. It will also cover the rights and obligations of peacekeepers (particularly with regards to the use force as it pertains to PoC). Additionally, the operational concept of the three tiers of protection activities – (Protection through the political process, Protection from physical violence, Establishing a protective environment) and the 4 phases of Protection Response – (Assurance/Prevention, Pre-emption, Response and Consolidation) will be discussed. Peacekeeping personnel will be familiarized with the unique nature of sexual violence in armed conflict as part of PoC, distinguishing between conflict related sexual violence (CRSV) & sexual and gender based violence (SGBV), and will be left with a better understanding of the integrated approach required to prevent and address sexual violence. Throughout, the course addresses the human cost as well as the political and institutional consequences of the failure to “protect”. Learning Objectives: a. Enhance conceptual understanding of PoC in the context of UN peacekeeping b. Increase effectiveness and interoperability of protection actors c. Address the unique nature of sexual violence in armed conflict as part of PoC d. Provide sustainable training skills of the participants in PoC as it relates to UN PKO/PSO Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170397** | N/A | U | FUNDAMENTALS OF INFORMATION TECHNOLOGY COURSE | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

The 5-day course is tailored for military officers and civilian employees and provides an introduction to hardware, software, data organization, telecommunications and networks, Internet, and the World Wide Web. The course also addresses effective use of information technology in organizations to meet information needs of various levels of management. Extensive use of hands-on labs and demonstrations provide students with a thorough understanding of productivity tools, database management, and programming languages. Learning Objectives: a. Enhance student's knowledge on concepts of information technology (IT) and information systems (IS) and a framework for discussing related concepts b. Understand how information technology is used in a variety of business functions and industries c. Understand state-of-the-art hardware and software technology used in information systems d. Appreciate the effort of developing software and understand its application and importance for businesses e. Familiarize with principles of databases, and database management systems f. Comprehend fundamentals of telecommunications and networking as the most important infrastructure of modern information systems g. Understand fundamentals of the Internet, from the backbone to Web technologies-hardware, software, and standards h. Facilitate a better understanding of types of information that managers need in various levels of management, and the type of information systems provide to suit these needs i. Develop skills and understanding of information technology planning, development and acquisition Students will be evaluated through: Hands on Labs Exercise participation Hands-on Labs In addition to regular lectures, ten interactive labs reinforce key IT related concepts, enabling students to learn real-world computer-based activities in a simulated environment. These labs are designed to provide students with an enhanced learning environment through reading, observation, step-by-step practice, and hands-on application. Topics addressed in these labs include spreadsheet, database, and presentation software, introductory programming, network basics, project management, and Web design. Based on the participants' level of IT proficiency, hands-on labs will incorporate an overview of programming that include, but not limited to, the following: Windows, JAVA, and ORACLE.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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| **P170398** | N/A | U | INFO & COMM TECH (ICT) IN DISASTER RELIEF | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** Yes

This 5-day seminar offered by the Prevention Relief & Recovery (PR&R) program of CCMR familiarizes the student with the basics of Humanitarian Assistance and Disaster Relief from the perspective of each major early responder organization type (United Nations, Non-Government Organization, Academia, Military, Government, and Industry). The course enables the student to effectively function as part of a multi-organizational response to disasters. The course also covers the phases of disaster response, the organizational mechanisms and operational aspects of early responder entities, and methods of obtaining increasing levels of disaster preparedness and resilience. The course then turns to Information and Communication Technologies (ICT) aspects of disaster response including hastily formed networks, information sharing techniques and technologies, communication system interoperability, working at the civil-military boundary, pre and post disaster ICT assessments and resilience topics. This seminar is E-IMET certified. Learning Objectives: Develop an understanding of humanitarian operations and the skill of leading diverse, multi-agency teams in the midst of crises. Explore the values and standards of the humanitarian community; working at the civil-military boundary; and the dynamics and challenges of coordination among the responders in mega-disasters. Discuss how ICT can serve as an enabler of disaster response improving information sharing and various surveillance technologies (e.g. unmanned aerial vehicles, UAV's). Gain hands on experience with state of the art ICT tools: crowd-sourcing applications, social networking tools, early warning technologies; hastily formed Networks.

**PRE-REQUISITE:**

**COURSE NOTES:** This course pairs well with the sequentially scheduled CCMR course, "Civil-Military Coordination in Disaster Relief, MASL P170475). A participant can attend both seminars back-to-back and save air fare costs.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170421** | N/A | U | WOMEN & SECURITY POLICY WORKSHOP SENIOR-LEADERSHIP | 0.4 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

This workshop provides an overview of gender and security issues and supports strategizing for compliance with UN Security Resolution 1325 in order to strengthen national security capabilities. Crucial international documents are reviewed, and participants are guided through application of these documents to their home environments. The process will include policy brainstorming and development of strategies to integrate women into security and peacekeeping operations, improve protection of civilians, and maximize resulting gains in operational capabilities. Learning Objectives: • Understand international legal documents, including CEDAW and UNSCR 1325, that relate to women and security • Become familiar with international and local issues surrounding women and security • Identify ways to expand human resource capabilities for defense by creating a culture of acceptance and inclusion • Develop strategies for gender mainstreaming and increased protection and participation for women in conflict resolution Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** Recommended attandance by: Military Officers O-6 and above; Equivalent Civilian Government Personnel

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|---|---|---|---|---|---|---|
| **P170422** | N/A | U | WOMEN AND SECURITY POLICY WORKSHOP FOR ACTION OFF | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

This five-day intensive workshop provides an overview of issues surrounding women and security, and it helps participants develop feasible action plans for gender mainstreaming and protection of civilians. It offers realistic recommendations to address gaps in women's numbers and positions within security organizations and encourages the implementation of UN Security Resolution 1325. Crucial international documents that apply to women’s rights, participation, and protection will be thoroughly reviewed, and participants will be guided through application of these documents to their home environments. Participants will gain an understanding of issues, learn about social and cultural factors that affect women’s participation in government and peace-building, acquire methods for addressing the issues, and design action plans. Learning Objectives: • Become familiar with international and local issues surrounding women and security • Understand international legal documents, including CEDAW and UNSCR 1325, that relate to women and security • Acquire methods for increasing women’s participation in peace negotiating, peacekeeping, conflict prevention and security measures. • Learn about social and cultural factors that affect women’s participation in government and peace-building • Identify ways to expand human resource capabilities for defense by creating a culture of acceptance and inclusion • Develop action plans for gender mainstreaming and increased protection and participation for women in conflict resolution Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** Recommended attendance by: Military Action Officers and Equivalent Civilian Government Personnel

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|---|---|---|---|---|---|---|
| **P170423** | N/A | U | WOMEN AND SECURITY POLICY INTENSIVE SHORT COURSE | 2 | PPTE | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

This ten-day short course introduces participants to international standards, operational issues, and effective strategies relevant to women and security policy. It offers realistic recommendations to address gaps in women's numbers and positions within security organizations and encourages the implementation of UN Security Resolution 1325. Participants will gain an understanding of social and cultural factors that affect women’s participation in government and peace-building, learn approaches and develop transferable skills for addressing inclusion and safety issues, and design feasible action plans. In the first week, participants will learn about causes and effects of gender differences in government and peace-building participation, review issues and policies on human rights in general and women in particular, talk about the importance of gender mainstreaming, and understand how women’s involvement matters to national well-being and economic development. Participants will analyze gender roles and develop skills in communication and conflict management. Participants will be guided in applying these topics to women and security in their environments. In the second week, participants will study identity, stereotypes and prejudices, learn principles about power and influence, sharpen their negotiating skills, and discuss social values and how to work with them to change attitudes and actions toward women. During this week, participants will learn approaches to overcome gender discrimination, and they will develop leadership skills to help them influence their environments. Concluding the seminar, students establish goals and develop action plans to address areas of concern or build upon current successes in their home environments. Learning Objectives: a. Become familiar with international and local issues surrounding women and security b. Understand international legal documents, including CEDAW and UNSCR 1325, that relate to women and security c. Explore social identities and social influences d. Learn about social and cultural factors that affect women’s participation in local government and peace-building e. Acquire methods for increasing women’s participation in peace negotiating, peacekeeping, conflict prevention and security measures. f. Build persuasion capabilities g. Improve conflict management and negotiation skills h. Motivate inclusion of women in organizational processes i. Recognize foundations of power and influence in organizations and social groups j. Identify ways to expand human resource capabilities for defense by creating a culture of acceptance and inclusion k. Develop action plans for gender mainstreaming and increased protection and participation for women in conflict resolution Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** Recommended attendance by: NGO Representatives, Military Action Officers, and Equivalent Civilian Government Personnel

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170472** | N/A | U | DISASTER MANAGEMENT | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Prevention, Relief & Recovery program of the Center for Civil-Military Relations, US Naval Postgraduate School offers a five-day course entitled "Disaster Management" at various conference venues. This course focuses on the management challenges associated with the delivery of humanitarian assistance/disaster response (HA/DR). Conceptually, the course emphasizes an understanding of how civilian and military authorities work together in the management of natural disasters and the delivery of humanitarian assistance. Specific areas of focus include Incident Command Systems, Strategic Communications/Media Relations and the use of Military Assets for Civilian Authorities. Learning Objectives: Enhance understanding of HA/DR response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter-governmental organizations). Provide a methodological framework for conceptualizing the strategic and operational issues in managing natural disasters and delivering humanitarian assistance. Allow participants to explore the roles and responsibilities, capabilities and competencies of organizations involved in disaster management. Expose participants to typical problems and potential solutions associated with disaster management and joint, inter-agency, cross-community coordination.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P170475** | N/A | U | CIVIL-MILITARY COORDINATION IN DISASTER RELIEF | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This 5-day seminar offered by the Prevention, Relief & Recovery (PR&R) program of CCMR develops a comprehensive understanding of how the international system works with host nations to conduct disaster relief. Participants will learn best practices for coordinating relief within their own countries and methods used for participating in international response to other countries. The seminar emphasizes cross-community understanding and communication skills that focus on ways in which the armed forces, government civilian agencies, non-governmental organizations, and inter-governmental organizations can work more effectively alongside each other in disaster relief. This seminar is E-IMET certified. Learning Objectives: * Enhance understanding of the disaster relief response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter-governmental organizations). * Expand communication, negotiation and collective problem solving skills to help facilitate cooperation and coordination between the various communities involved in disaster relief activities. * Develop the capacity to build trust, identify shared objectives, and promote collaboration. * Explore emerging concepts and initiatives from the various communities.

**PRE-REQUISITE:**

**COURSE NOTES:** This seminar pairs well with the sequentially scheduled CCMR course, "Information & Communications Technologies (ICT) in Disaster Relief," (MASL P170398). A participant can attend both seminars back-to-back and save air fare costs.

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|---|---|---|---|---|---|---|
| **P170476** | N/A | U | HUMANITARIAN LOGISTICS | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

This course focuses on the logistical challenges associated with the delivery of humanitarian assistance/disaster response (HA/DR). Conceptually, the course emphasizes an understanding of the issues in Supply Chain Networks, especially the response supply chains. The topics covered include Military and Humanitarian Logistics and where the two overlap: HA/DR. The course objective is to build the knowledge and analytical tools for operational issues such as inventory, transportation and distribution, as well as other issues in logistics including the competency and capability of key players in the supply chain. Learning Objectives: To provide a methodological framework such as mathematical modeling for conceptualizing and capturing the operational and strategic issues in Logistics. To improve participant understanding of Humanitarian Logistics through response supply chain by comparing and contrasting it with traditional supply chain systems. To allow participants to explore the capabilities and competencies of organizations involved in supply chains. To expose participants to possible solutions to problems associated with logistical coordination in HADR.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P170477** | N/A | U | PREPG & RSPG TO NATL DIS IN MEGACITIES | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

According to the Population Reference Bureau, there are 24 megacities-cities with a population greater than 10 million people-around the globe. If (perhaps it's safer to say when) a major natural disaster hits one of these densely populated metropolitan areas, the destruction will be tremendous. However, with careful preparation, coordination and cooperation, the effects can be mitigated and, potentially, millions of lives can be saved. To this end, this course will convene members of international armed forces, government civilian agencies, non-governmental organizations and inter-governmental organizations involved in disaster preparedness and response to discuss how to prepare for and respond to a major natural disaster affecting a megacity. Emphasis will be placed on best practices and lessons learned from recent natural disasters, as well as regional and organizational initiatives aimed at improving preparedness and response capabilities. Learning Objectives: Understand the range best practices, lessons learned and activities employed to prepare for and respond to natural disasters in megacities. Develop a deeper understanding of the critical challenges that arise during disaster response operations in megacities. Discuss ways to improve partnership and coordination among nations and organizations during disaster response. Learn about regional and organizational initiatives aimed at improving preparedness and response capabilities. Enhance professional networks among disaster response practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P171000** | N/A | U | COMBINED FORCE MARITIME COMPONENT CDR FLAG COURSE | 1 | PNWH | Pearl Harbor, HI |

**ECL:** 80 **EIMET:** Yes

A NAVWARCOL team teaches the CFMCC Flag Course which addresses the challenges of commanding and controlling Combined Maritime Forces at the operational level to achieve maritime security objectives. The attendees are one and two-star flag and general officers from the US military services and other nations in a specific region. Throughout the course, senior officers and officials from the US and other nations offer their perspectives on issues relevant to combined maritime operations. Attendees also work through case studies focusing on regional issues. The objectives of the course are to: 1. Develop and deepen relationships based on trust and confidence among partner nations in the framework of regional challenges. 2. Serve as a forum to evolve Combined Maritime Command and Control concepts and mechanisms, and eliminate impediments to effective coordination. 3. Advance the understanding of those security issues facing participating nations. 2008 Conference: Location Code PNWH COMMANDER, U.S. PACIFIC FLEET Pearl Harbor, HI

**PRE-REQUISITE:** Attendees from foreign nations are solicited by invitations to specific nations that are selected by the Chief of Naval Operations each time the course is held.

**COURSE NOTES:**

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| **P171001** | S- 9B-1202 | U | NAVAL COMMAND COLLEGE | 47 | PNCC | Newport, RI 02841-1207 |

**ECL:** 80 **EIMET:** No

The Naval Command College assists specially selected international senior naval officers to prepare themselves for higher command responsibilities in their own Navies, and familiarizes them with U.S. Navy methods, practices, and doctrine. Naval Command College students participate in a demanding series of three interrelated trimester courses consisting of Strategy and Policy, National Security Decision Making, and Joint Military Operations. The international officers academic studies are on an integrated basis with their U.S. counterparts attending the Naval War College. The conduct of courses are at the U.S. graduate level consisting of lectures, seminars, extensive readings and preparation/presentation of papers. An extensive travel program is conducted to expose the students to the economic, industrial, governmental, cultural and geographic diversity of the United States through visits to government, military, industrial and financial activities, and educational institutions. Nominees should have excellent academic skills. Course meets once annually and begins in August and ends the following June. Student officers are asked to arrive at the end of July to attend an orientation program. The orientation is a two week introduction to the Naval War College programs; living in the Newport area, local base facilities, government agencies and the U.S. Defense Dept organization. The Informational Program provides visits to many cities including Washington DC, New York, San Francisco, Seattle and other cities where participants receive briefings from distinguished business, military and government leaders. Attendance is by formal invitation only. The invitations are extended by letter from the Chief of Naval Operations of the U.S. Navy. Attendance is limited to one student from each country receiving an invitation.

**PRE-REQUISITE:**

**COURSE NOTES:** Foreign navies should be advised not to nominate students for the NCC if it is anticipated they will be promoted to Flag/General Officer level during the course of study. This course is open to Naval officers in the grades O-5 and O-6 (Commanders and Captains) per convening. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P171007** | K- 2G-0039 | U | INTL SENIOR OFFICER AMPHIBIOUS PLANNING (ISOAP) | 10 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

Provides senior international officers with an understanding of joint Navy/Marine Expeditionary Warfare Force concepts and procedures required for planning an expeditionary warfare operation. The course includes introductory instruction in both naval and landing force expeditionary warfare organizations, doctrine, equipment, communications, employment of supporting arms and logistical support of an expeditionary warfare operation. Follow-on instruction is then provided in joint naval/landing force expeditionary warfare planning concepts and procedures, and culminates with students developing an expeditionary plan in support of a major expeditionary warfare operation. Students also research, write and present a paper on a major amphibious operation. The Senior Officer Amphibious course is designed to give officers a graduate level understanding of amphibious warfare and humanitarian aid. Additionally, Students will travel to Los Angeles, CA, Washington, DC, and Annapolis, MD to receive a broader look into US Culture. Students will receive Amphibious Warfare Indoctrination, Expeditionary Warfare Staff Planning, Humanitarian Aid and Disaster Relief, and executive education from Scholars from the Center for Civil Military-Relations. Students will have the opportunity to tour the local area in San Diego to include visiting a Congressional Office, The San Diego Jail, The Coronado Police Department, The San Diego Agricultural Center, and much more.

**PRE-REQUISITE:** Officers in the rank of Commander (O5) through Rear Admiral (08), or equivalent, in the naval forces (selective waivers may be granted to limited numbers of Lieutenant Commanders/equivalent officers, and Lieutenant Colonel through Major General in the ground and air forces of those countries on the invitation list.)

**COURSE NOTES:** COURSE CONVENES ANNUALLY IN 2ND FISCAL QUARTER. MINIMUM OF 12 STUDENTS REQUIRED TO CONDUCT THE CLASS. A COURSE IN AMPHIBIOUS WARFARE PLANNING WHICH COMBINES LECTURES, SEMINARS, DEMONSTRATIONS, PRACTICAL APPLICATION, TOURS AND EXTENSIVE INFORMATIONAL PROGRAM. INTL students must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork. Additional uniform requirement: request students bring field utility (camoflauge) uniforms to observe field activities. Students will be required to present their detailed country brief to the class and instructors early in the course. Students should not expect EWTGPAC to provide prior years Country Brief. Request International Military Student (IMS) information emailed to IMSO or posted in the SAN prior to student`s arrival. Request Passport #/Expiration and Visa Number/Expiration uploaded into SANWEB as soon as FMS is programmed.

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| **P171008** | J- 2G-0222 | U | INTERNATIONAL COALITION STAFF PLANNING COURSE | 5 | PEWP | San Diego, CA 92155 |

**ECL:** 70 **EIMET:** No

Provides International Staff Officers with a basic understanding of joint Navy/Marine Expeditionary Warfare Force concepts and procedures required for planning an expeditionary warfare operation. The course includes instruction in both naval and ground landing force expeditionary warfare organizations, doctrine, equipment, communications, employment of supporting arms and logistical support of an expeditionary warfare operation. This 5 week course will feature 3 weeks in a classroom environment and 2 weeks of field study. The 3 weeks will include 1 week of each of the following, amphibious/expeditionary warfare basics, Humanitarian aid and disaster relief, and a unique course on the differences/control of Federal, state, and local government. The remaining two weeks will be spent exploring the local area with a focus on Civilian/Military relationship and US Culture. Target Audience: The course is targeted for International Officer (0-1 - 0-5). Senior Officers O-6 are invited to attend. Rank waivers may be granted if requested. This course can also be via Mobile Training Team (P309112) in host country.

**PRE-REQUISITE:**

**COURSE NOTES:** INTL student must arrive Wednesday or Thursday before class convenes IOT support getting ID card and required paperwork. Graduation will be on Wednesday of the last week of class to facilitate IMS travel on Thursday and Friday. Please bring both your normal working uniform and your summer dress Uniform for graduation (equivalent of US Navy Service Dress Blues or Whites).

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| **P171010** | N/A | U | NAVAL STAFF COL - 10 MONTH | 47 | PNSC | Newport, RI 02841-1207 |

**ECL:** 80 **EIMET:** No

The Naval Staff College 10-month course (NSC-10) is conducted once annually in the fiscal year fourth quarter, commencing in July, and is open to 20 Naval, Coast Guard or Maritime Service officers, grades 0-3 and 0-4 (senior Lieutenants and Lieutenant Commanders). This program is separate resident college within the U.S. Naval War College; however, the academic programs of NSC-10 and its U.S. counterpart, the College of Naval Command & Staff, are almost identical insofar as disclosure restrictions allow. Students pursue the prescribed studies over three trimesters in Strategy and Policy, National Security Decision Making, and Joint Military Operations. They follow the same basic schedule and are integrated into the seminars and lectures of their U.S. counterparts. On an optional basis they may participate in the Electives Program during two trimesters. Their studies differ from their US counterparts in the addition of a preliminary orientation study, a course in Operational Law conducted during one trimester, and a series of Curriculum Field Trips/Informational Program Visits designed to familiarize them with U.S. Navy organization, methods, and doctrines, as well as the government, economy, culture and geography of the United States. The orientation is a two-week introduction to the Naval War College facilities and programs, Newport, Rhode Island, U.S. Government agencies, and the Defense Department organization. Field trips provide an opportunity to visit Washington, D.C., and other cultural, industrial and military centers where they meet distinguished military and civilian leaders. Attendance is by invitation only, extended from the Chief of Naval Operations. Since facilities are limited and to ensure an equitable representation of nationalities in the College, only one student is accepted from each country that receives an invitation.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P171019** | P-920-1300 | U | SENIOR ENLISTED ACADEMY (RESIDENT) | 6 | PSEN | Newport, RI 02841 |

**ECL:** 80 **EIMET:** No

To prepare selected senior enlisted leaders, in the grades of E-7 thru E-9, to better fulfill their expanded leadership and management responsibilities. The class is sub-divided into small working groups to allow a free exchange of ideas, sharing of experiences, reasoning in group problem-solving, fostering self-confidence and team building. Guest lecturers are used extensively throughout the course as subject matter experts. The 240-hour curriculum addresses the following areas: communication skills, leadership skills, leadership and management techniques, national security affairs, U.S. Navy programs, and health and physical readiness. This course requires intensive reading, writing, and public speaking skills. Basic computer skills are also required. There are two phases to this course. The first 63-calendar day phase consists of facilitated distance learning via U.S. Navy War College blackboard (P471017, SENIOR ENLISTED ACADEMY (NON-RESIDENT). This course is the second phase, consisting of a 19-calendar day in residence portion. To graduate, students MUST attend both phases and pass ALL of the following: (1) Writing and speaking assignments (2) Exams (3) (Upon arrival) U.S. Navy Body Composition Assessment (OPNAVINST 6110.1J) This is not a stand-alone course and must be completed after/in conjunction with P471019, SENIOR ENLISTED ACADEMY (NON-RESIDENT). Targeted Audience: Enlisted E7-E9

**PRE-REQUISITE:** P471019, SENIOR ENLISTED ACADEMY (NON-RESIDENT)

**COURSE NOTES:** STUDENTS MUST REPORT NO EARLIER AND NO LATER THAN THE WEDNESDAY PRIOR TO CLASS CONVENE. Return flights must be arranged so that IMSs depart the Academy no earlier than 1500 on Fridays after graduation.

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| **P171030** | P- 1B-0004 | U | COMMAND LEADERSHIP | 2 | PCLS | Newport, RI 02841-1617 |

**ECL:** 80 **EIMET:** No

To reinforce the fundamental tenets of naval leadership and provide an improved decision making foundation for officers assuming the responsibilities of command. This course is designed for O-5/O-6 en route to their first command tour. The course is conducted using a seminar format with facilitated group discussions and case studies supported by reading and writing assignments. The class size is a maximum of twenty-four students.

**PRE-REQUISITE:**

**COURSE NOTES:** NETC is the quota manager for the above course, however: 1. The schoolhouse has an internal controlled quota system. To get a quota, contact Mr. Peter Burrell (peter.burrell@navy.mil) (401-841-7422) AS EARLY AS POSSIBLE. 2. Provide the international student's email address to Mr. Burrell as soon as possible. Course includes a 360 degree survey assessment which needs to be started one month prior to the class start. If the international student is unable to complete this survey, they will be missing out on a valuable part of the course. 3. Have the student fly into Providence, RI, on the Sunday prior to the Monday class start. There is no reason to have the student arrive several days early and our staff is not equipped to escort them for this long period. 4. Provide the student with this entire travel allowance UP FRONT. Since our course is only two weeks long, there is not enough time to get the student paid reliably while he is there. Mr. Burrell can provide the exact amount required prior to the student's arrival. If there are questions, please call Mr. Peter Burrell (401-841-7422) or CAPT Mike Haumer (401-841-7424).

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| **P171037** | A-570-4500 | U | COMMAND MASTER CHIEF/CHIEF OF THE BOAT | 2 | PNEA | Newport, RI 02841 |

**ECL:** 70 **EIMET:** No

CMC/COB provides capstone learning experience for individual en-route to initial assignment as primary duty Command Master Chief/Chief of the Boat. Scope: CMC/COB curriculum provides attendees with a just in time small group learning environment to prepare individuals for duty as a CMC/COB. This facilitated course combines small group discussion with case study analysis. To include joint scenarios with prospective commanding officers and executive officers students.

**PRE-REQUISITE:** Individual must be under valid orders for a 9579 or 9580 NEC billet.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P171039** | N/A | U | INTERNATIONAL PROFESSIONAL ADV LEADERSHIP (IPAL) | 5.4 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 65 **EIMET:** No

This course provides leadership education and training for international military personnel from E-5 to O-3 of all military services and has been designed to create a cadre of individuals in participating countries who can: 1. Rise to levels of prominence within their country's military leadership ranks, because of improved performance by personally employing enhanced leadership skills and possessing a greater strategic understanding of Leadership. 2. Serve as liaison personnel for the various U.S. (or other allies') METs or MTTs or other COCOM sponsored visits, (funded from a variety of sources), that are geared to improve professionalism and leadership. 3. Become instructors for a national military education effort to improve not only military professionalism and leadership skills, but also to help create an understanding of the necessity for a more skilled, better trained, more professional cadre of junior officer and enlisted leaders. IPAL combines the best aspects of time tested and proven leadership training with the latest state of the art educational methods. The course was designed first and foremost with a singular focus on enhancing the leadership capabilities and professional development of international military members. Core educational subjects such as leadership, personality profiling, instructor training, computer skills, physical training, time management and subordinate mentorship and counseling are addressed in detail by both classroom lecture and student exercises. In addition to these traditional subjects, 24 class hours are spent outdoors on the NAS Pensacola Leadership Reaction Course (LRC) which provides the very best "real world" training in the areas of leadership, team building, communication and decision making skills. Along with our experienced instructor staff, several "Subject Matter Expert" guest speakers provide valuable insight into a broad field of relevant leadership issues such as: alcohol and drug abuse, suicide prevention, stress management, sexual harassment/hazing and the Rule of Law. Students completing this professional course of instruction will not only have greatly improved their own leadership skills and professional development, but will return to their commands with a wealth of knowledge and professionalism that should provide a long lasting positive influence to their countries' military services.

**PRE-REQUISITE:**

**COURSE NOTES:** (For information on IPAL METs see MASL P309114 and MASL P309274.).

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| **P171040** | P-7C-0101 | U | DEPARTMENT HEAD LEADERSHIP COURSE (DHLC) | 1 | PNLV | Virginia Beach, VA 23461 |

**ECL:** 80 **EIMET:** No

THE PURPOSE OF THIS COURSE IS TO PROVIDE PROSPECTIVE DEPARTMENT HEADS WITH THE REQUISITE NAVAL LEADERSHIP SKILLS NECESSARY TO FUNCTION AS EFFECTIVE LEADERS AS A DEPARTMENT HEAD. SCOPE: THE DEPARTMENT HEAD LEADERSHIP DEVELOPMENT PROGRAM CONSISTS OF TWO SUBSECTIONS. THE FIRST SUBSECTION IS THE CLASSROOM ATTENDANCE OF THE DEPARTMENT HEAD LEADERSHIP COURSE. THE SECOND SUBSECTION IS RECOMMENDED E-LEARNING COURSES TO SUPPORT THE DEPARTMENT HEAD LEADERSHIP PROGRAM AND THE COURSE. THE DEPARTMENT HEAD LEADERSHIP COURSE (DHLC) SUPPORTS SAILORS, O1 AND ABOVE, EN ROUTE TO A DEPARTMENT HEAD ASSIGNMENT. THE NAVY LEADERSHIP COMPETENCY MODEL (NLCM) ASSIGNS THE FOLLOWING COMPETENCIES TO THE DEPARTMENT HEAD DEVELOPMENT PROGRAM: ACCOMPLISHING MISSION, LEADING PEOPLE, LEADING CHANGE, WORKING WITH PEOPLE AND RESOURCE STEWARDSHIP. STUDENTS WILL BE APPLYING LEADERSHIP SKILL SETS BASED ON THE CONTENT DERIVED FROM THE NLCM. STUDENTS MAY NOT RETURN TO PARENT COMMAND FOR DUTY OR WATCH STANDING IAW NAVADMIN 033/06. ALL STUDENTS ARE REQUIRED TO ESTABLISH AN NKO ACCOUNT AT LEAST 14 DAYS PRIOR TO DESIRED CLASS CONVENING.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P171051** | A- 4E-0087 | U | JOINT MARITIME MINE WARFARE PLANNING & OPERATIONS | 4 | PMWS | San Diego, CA 92136-5588 |

**ECL:** 80 **EIMET:** No

NO PRIOR MINE WARFARE EXPERIENCE REQUIRED. Trains Officers of the rank O1 through O5 in the concepts of U.S. Naval procedures for offensive and defensive mine warfare.This course of instruction is intended to indoctrinate international officers in the concepts of U.S. Naval procedures for offensive and defensive mine warfare and, through a program of orientation visits to civic, governmental, and military establishments, to acquaint the officers with the economic, industrial, cultural, and military structure of the United States, in accordance with the provisions of the Department of Defense Informational Program as implemented by OPNAVINST 4950.1. As part of this courses academic curriculum, students will visit a USN Mine Countermeasures Ship - MCM (Inport), a Littoral Combat Ship - LCS (Inport), and an EOD Mobile Unit One (Marine Mammals).**

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P171053** | A-8B-0077 | U | INTL LOG EXEC ADV DEV (ILEAD) | 8 | PSC5 | Newport, RI 02841-1208 |

**ECL:** 80 **EIMET:** No

International Logistics Executives Advanced Development (ILEAD) (7 weeks), Senior International Officers, grade O5 and above, waivers available. Course is taught once per year. This seven-week course is designed to give Senior International Officers a better understanding of current trends in logistics and supply chain management from the military perspective. The course includes the Advanced Management Program (AMP) as the first portion of the course. AMP is a two-week long executive leadership course designed for CDR's and GS-13/14's that deals with transformation, supply chain management, lean six-sigma, and many other management skills used both by industry and DoD. It is a post-MBA level course, taught by university professors from top-level business schools. The students will be embedded with equivalent U.S. personnel during this period, and work on group projects and make a group presentation for a panel of Flag Officers on the last day of AMP. Following the two weeks of AMP, three weeks of site visits will be conducted to various Navy commands in the U.S. to give the students an on-site view of the various logistics initiatives and projects currently being worked on by Department of Defense, and U.S. Navy.

**PRE-REQUISITE:**

**COURSE NOTES:** Departure flights SHOULD NOT be scheduled prior to 1600 hours the course end date See notes under location code for NSCS Newport. The students will also participate in various events that will allow for a better understanding of American society and culture. All course travel is included in the MASL cost.

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| **P171054** | P- 7C-0101 | U | DEPARTMENT HEAD LEADERSHIP COURSE (DHLC) | 1 | PSC4 | Newport, RI 02841-1208 |

**ECL:** 80 **EIMET:** No

TO PROVIDE PROSPECTIVE DEPARTMENT HEADS WITH THE REQUISITE NAVAL LEADERSHIP SKILLS NECESSARY TO FUNCTION AS EFFECTIVE LEADERS AS A DEPARTMENT HEAD. SCOPE: THE DEPARTMENT HEAD LEADERSHIP DEVELOPMENT PROGRAM CONSISTS OF TWO SUBSECTIONS. THE FIRST SUBSECTION IS THE CLASSROOM ATTENDANCE OF THE DEPARTMENT HEAD LEADERSHIP COURSE. THE SECOND SUBSECTION IS RECOMMENDED E-LEARNING COURSES TO SUPPORT THE DEPARTMENT HEAD LEADERSHIP PROGRAM AND THE COURSE. THE DEPARTMENT HEAD LEADERSHIP COURSE (DHLC) SUPPORTS SAILORS, O1 AND ABOVE, EN ROUTE TO A DEPARTMENT HEAD ASSIGNMENT. PREVIOUS COMPLETION OF THE IOLTC (CIN P-7C-0023) OR AOLTC (CIN P-1B-0006) SATISFIES THE REQUIREMENT FOR DHLC. THE NAVY LEADERSHIP COMPETENCY MODEL (NLCM) ASSIGNS THE FOLLOWING COMPETENCIESTO THE DEPARTMENT HEAD DEVELOPMENT PROGRAM: ACCOMPLISHING MISSION, LEADING PEOPLE, LEADING CHANGE, WORKING WITH PEOPLE AND RESOURCE STEWARDSHIP. STUDENTS WILL BE APPLYING LEADERSHIP SKILL SETS BASED ON THE CONTENT DERIVED FROM THE NLCM. STUDENTS MAY NOT RETURN TO PARENT COMMAND FOR DUTY OR WATCH STANDING IAW NAVADMIN 033/06. ALL STUDENTS ARE REQUIRED TO ESTABLISH AN NKO ACCOUNT AT LEAST 14 DAYS PRIOR TO DESIRED CLASS CONVENING.

**PRE-REQUISITE:**

**COURSE NOTES:** NSCS Newport IMSO will pick up the students at the Providence, RI airport (PVD).

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| **P171056** | N/A | U | NWC INTERNATIONAL FELLOWS PROGRAM | 0 | PNW | Newport, RI 02841-5010 |

**ECL:** 80 **EIMET:** No

Under this program, selected international officers will assume one or two-year positions in which they may support and assist the regular faculty, conduct research, draft scholarly papers, assist in the Center for Naval Warfare Studies and War Gaming, assist in the College of Operational and Strategic Leadership, provide regional expertise, and contribute to the Naval War College curriculum in the areas of strategy, operations and maritime domain awareness. International Fellows may contribute to the NWC curriculum in the areas of maritime strategy, maritime security cooperation, regional studies, leadership development, war gaming support, electives program support, interagency, joint and combined operations and maritime domain awareness. The aim of this program is to promote trust and confidence, increase mutual understanding and enhance relationships between the U.S. Navy, Naval War College faculty and students with international officers and navies. The program will enhance academic, leadership and research programs and provide additional engagement opportunities for the College's faculty and research staff.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P171062** | NAVSOUTH | U | COMBINED FORCE MARITIME COMPONENT COMMANDER COURSE | 1.2 | PNWM | Miami, FL 33172 |

**ECL:** 80 **EIMET:** No

The purpose of the flag level Combined Force Maritime Component Commander (CFMCC) Flag Course is to develop a network of leaders, focused on the operational level, in support of cooperation in the theater, oriented toward maritime security. It serves as a forum to develop and deepen relationships based upon trust and confidence among stakeholders/nations in the framework of regional challenges. It also helps to evolve the Combined Maritime Command and Control concepts and mechanisms, while advancing the understanding of those security issues facing participating nations.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is open only to flag officers from nations specifically invited. The method of invitation is a message from CNO to his counterparts in these specified nations. OPNAV sends an invitation message to the US country teams for each invited nation, with details on how to extend the invitation to the other Chiefs of Navy. The message is planned for release approximately 6 months prior to the course.

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| **P171063** | N/A | U | APPROACHES FOR THE REINTEGRATION OF EX-COMBATANTS | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Prevention Relief & Recovery (PR&R) program at the Center for Civil-Military Relations offers this two-week seminar entitled "Approaches for the Reintegration of Ex-combatants." The reintegration of ex-combatants at the end of armed conflict is one of the most difficult yet important criteria for a successful transition from war to peace. In addition, the emerging issue of violent extremists leaving terrorist organizations and returning to their country of origin can be significantly destabilizing. Re-integration, if done successfully, will involve these individuals in the nation's recovery and development. If done unsuccessfully, rather than contributing, these same actors are likely to undermine recovery-and may even plunge the nation back into conflict. As with most post-conflict challenges, context is everything. The cause and settlement of the conflict, the state of economic development, the geography and the demographics must all be taken into account when developing a strategy for managing ex-combatants. What works well in one country may fail miserably in another. In addition, the more recent debates about the return of radical religious extremists from conflict zones is a growing problem across the globe. This course provides an overview of the various reintegration approaches, from integrating them into the national security apparatus to providing job training and vocational opportunities. Drawing on case studies from around the world, it also includes exploration of crosscutting topics that can improve or impede successful reintegration, such as security sector reform, gender considerations and transitional justice. The course provides practitioners with the tools needed to design and implement reintegration approaches appropriate to the specific country and context. This course is E-IMET certified. Learning Objectives: " Explore diverse models, approaches and techniques that can be used to convince combatants to lay down their arms and reintegrate into a post-conflict society or after return from a conflict zone. " Understand the broad range of reintegration challenges that Governments and individuals face (e.g., economic, psycho-social, institutional, etc.). " Develop strategies to confront crosscutting challenges common to reintegration efforts. " Explore emerging challenges for reintegration such as de-radicalization of violent extremists and managing other ideological challenges. " Enhance professional networks of reintegration practitioners locally and globally. Methodology: The workshop will consist of a series of panel presentations, plenary discussions and small group exercises.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P171400** | MET-CMR | U | CMR CONUS PLANNING | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 70 **EIMET:** Yes

This program provides an intensive five-day course on civil-military relations. Designed for a mixed group of senior military officers, civilian officials, legislators, and non-government personnel, the course is tailored to address country specific civil-military relations issues, needs, and circumstances. The course is usually taught abroad (in translation), although it can be taught in CONUS for a specific country group on a limited basis and after extensive prior arrangements using P171400 for programming. The curriculum features a strong problem solving focus designed to help participants analyze and resolve civil-military conflicts, build mechanisms strengthening civilian control, and deal with the many underlying sources of civil military conflict common to democracies. NOTE: THIS NAVAL POSTGRADUATE SCHOOL (NAVPGSCOL) COURSE IS AVAILABLE IN CONUS ONLY ON AN EXTREMELY LIMITED BASIS. REQUIRES EXTENSIVE PRIOR SPECIAL ARRANGEMENTS. THE COURSE IS NORMALLY TAUGHT BY A MOBILE EDUCATION TEAM IN-COUNTRY, UNDER MASL P309070 (PGS/PDR JOINT MET).

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P171403** | CURR 685 | U | CIV-MIL RELATIONS-MA | 65 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

This curriculum is an inter-disciplinary program, tailored for officers and civilian employees of other countries and the U.S. National Guard. This program is a resident program that will be delivered annually with entry starting during NPS's winter quarter. The program is designed to meet three related needs. First, the program gives students the skills they need to understand the security problems confronting their own democracies in the post-Cold War environment, and the challenges of bringing about change in the defense sector. Second, the program offers an in-depth understanding of civil-military relations. Finally, the program prepares students to resolve the civil-military issues raised by participation in U.N. peacekeeping operations, membership in the Partnership for Peace and other alliances, and security cooperation among nations. International students in this program are fully integrated with the U.S. students at the Naval Postgraduate School. As part of the degree, students are required to complete a thesis that deals with a significant civil-military relations issue in the sponsoring country.

**PRE-REQUISITE:**

**COURSE NOTES:** Report date is 27 Dec 2016 for classes starting on 27 Dec 2016; completion 30 March 2018. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P171404** | N/A | U | INTELLIGENCE & DEMOCRACY | 1 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

CCMR conducts a one-week Expanded International Military Education and Training (EIMET) approved course entitled "Intelligence and Democracy" at the Naval Postgraduate School, Monterey, California. The key objective of this course is to examine the methods civilian authorities in emerging democracies can use to establish strong, effective controls over their intelligence agencies. The course first examines the intelligence process in established democracies and the potential problems that intelligence activities can pose to democratic governance. Next, participants analyze the mechanisms used by long-estab-lished democracies to maintain control over their intelligence organizations. These instruments of control include use of the power of the purse, structural and organizational arrangements, legislative oversight, and public opinion. Employing practical exercises to reinforce learning objectives, participants examine efforts by an emerging democracy to establish democratic controls over its intelligence agencies and confront the challenges that face modern democracies dealing with contemporary problems such as ter-rorism. The educational approach of this course combines informational content along with practical exercises and case studies to provide participants with the skills and knowledge needed to under-stand how modern democracies design effective mechanisms to control their intelligence agencies. Participants: The MET and In Residence courses are designed for senior international civilian officials and military officers concerned with developing democratic controls and oversight mechanisms for intelligence agencies. For the In Residence course, attendance by several participants from each interested country is encouraged. US participants, civilian and military, also are eligible to attend.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P171410** | C- 4J-3302 | U | AVIATION SAFETY OFFICER COURSE (ASO) | 4.6 | PSFF | Pensacola, FL |

**ECL:** 80 **EIMET:** No

To prepare aviation safety officers, as defined in OPNAVINST 3750.6 (SERIES), to assist Commanders and Commanding Officers in conducting mishap prevention programs. ASOs completing this course will be able to investigate mishaps, organize and administer a squadron mishap prevention program, manage and lead a safety culture, and coordinate aviation safety information. SCOPE Subject matter for the course includes aerodynamics and structural analysis for accident prevention, safety program management, accident investigation and reporting techniques and requirements, aviation physiology and psychology and safety law. Notes: Students are required to register with the Naval School of Aviation Safety online for the ASO course. Students can request a quota on line at: http://www.netc.navy.mil/nascweb/sas/admin_course_info.htm. In addition to registration and academic prerequisites, the web site contains information on billeting, messing, uniforms etc. Students without internet access should contact the School of Aviation Safety at: 181 Chambers AVE Suite A Pensacola, FL 32508-5271 (850) 452-3181 Fax (850) 452-8732 DSN 459-xxxx. CANCELLATIONS ARE REQUIRED NOT LATER THAN TWO WEEKS PRIOR TO CONVENING DATE, TO FACILITATE STANDBY QUOTA UTILIZATION. When registering with the School of Aviation Safety, provide the following information: A. Name, (First, Middle, Last) B. Rank C. Service D. SSN/Designator (as applicable) E. EMAIL Address F. Phone Number (DSN or Commercial including Country Code) G. Aircraft Flown H. Callsign. ELIGIBILITY: Designated Naval aviators or naval flight officers who are deployment or detachment experienced with the USN rank equivalent of Lieutenant/Lieutenant Commander, USN, and Captain/Major, USMC. Medical Corps or Medical Service Corps officers who are in a billet requiring the ASO course. Any exceptions and requests from other services or organizations shall be coordinated with the Director, School of Aviation Safety. The preferred uniform is Flight Suits with acceptable uniforms being any uniform equivalent to USN Service Khakis or USMC Charlies. Review OPNAVINST 3750.6R if possible prior to reporting. It is recommended that students bring a copy of their command pre-mishap plan and a handheld calculator.

**PRE-REQUISITE:** No academic prerequisites but students should be comfortable with very basic algebra, geometry and physics.

**COURSE NOTES:** Advance Per Diem is as per parent command/native country (100 Percent Per Diem must be directed by Parent Command in Block 21). STUDENTS WILL BE INVOLVED IN A FAST PACED COURSE CONSISTING OF SIX HOURS OF CLASSROOM WORK PER DAY FOR FIVE WEEKS (28 WORK DAYS). INCLUDED IN THE CURRICULUM ARE WRITTEN EXERCISES (INCLUDING MULTIPLE PAPERS) WHICH MUST BE WRITTEN IN ENGLISH. STUDENTS WITHOUT THE ABILITY TO COMMUNICATE IN ENGLISH (ORALLY AND IN WRITING) SHOULD NOT ATTEND THIS COURSE. We recommend that International students be allotted one work day prior to actual class start for administrative processing i.e., ID`s, photo`s, telephone (at student`s request), etc. If the class starts on Tuesday, we recommend that the students arrive over the prior weekend as Monday will be used as the administrative processing day.

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| **P171411** | C- 4J-3301 | U | AVIATION SAFETY COMMAND (ASC) | 1.2 | PSFF | Pensacola, FL |

**ECL:** 80 **EIMET:** No

A six day course designed to indoctrinate aviation squadron commanding officers, executive officers, officers-in-charge, and officers screened for command in the policies, philosophy, and techniques of an effective command safety program. Incorporated within this course is senior member training which will qualify the graduate to be a senior member of an aircraft mishap board. Students will be involved in a fast paced course consisting of seven hours of classroom work per day for five to six days. In addition to classroom presentations, students will be required to read course materials and prepare written reports to be presented to the class. Eligibility: Actual or prospective commanding officers, executive officers, officers-in-charge, major aviation staff officers, and aircraft carrier safety officers who are designated naval aviators or naval flight officers of the rank of Lieutenant Commander, USN, or Major, USMC and senior. Exceptions and requests from other services or organizations shall be coordinated with the Director, School of Aviation Safety.

**PRE-REQUISITE:** No academic prerequisites but students should be comfortable with basic algebra, geometry and physics.

**COURSE NOTES:** Information on obtaining a quota for the class can be found at: http://www.netc.navy.mil/nascweb/sas/admin_quota.htm. We recommend that International students be alloted one work day (Mon-Fri) for administrative processing i.e., ID`s, photo`s, telephone (at student`s request), etc. If the class starts on Tuesday, we recommend that the students arrive over the weekend as Monday will be used as the administrative processing day.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P171493** | CD ROM | U | CD - COMB STRATEGY/SEC/OPS | 1 | PNCE | Newport, RI 02841-1207 |

**ECL:** **EIMET:** No

This course emphasizes preparation for intermediate level command and staff assignments. It is an executive development course that synthesizes concepts from many disciplines, both academic and professional. The course employs a multi-discipline approach, synthesizing selected concepts from economics, political science, strategy, leadership, psychology, management, international relations, national security affairs, and related disciplines. All content focuses on making and implementing critical decisions within the command and staff environment.
The course is comprised of 35 individual sessions, with the first half generally focusing on organizational and national dynamics, and the second half generally focusing on global developments and security considerations. Grading consists of midterm and final exams.

Topics include:
Strategy and war: Policy, Strategy, and War - Theorists; The American Revolution and Maritime Theory;
World War II in the Pacific

Joint maritime operations: Course Foundations and Operational Art: Theory and Application; Operational and Maritime Law; Operational Warfare at Sea and Joint/Combined Warfare; Contemporary Operations; Problem Solving and Planning; Joint Task Force Planning Exercise (JTFEX)

National security decision making: National Security Processes; Military Strategy and Force Planning

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P172003** | K- 3A-5014 | U | INTL MARITIME INTELL(IMIC) | 3 | PICP | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The International Maritime Intelligence Course (IMIC) trains International Junior Officers (in equivalent grade of O-1 through O-4) by providing instruction and practical application in the fundamentals of providing intelligence support to military operations within the maritime domain. Upon graduation, trainees should be able to perform tasks at an entry level in both afloat and ashore environments.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P172008** | N/A | U | INFORMATION ENVIRONMENT ADVANCED ANALYSIS (IEAA) | 2 | VAR | |

**ECL:** 80 **EIMET:** No

To equip intelligence, operations and plans personnel with analytic concepts, affiliated techniques and operational constructs enabling graduates to characterize, forecast, target, wargame and assess the information environment enabling commanders to seize and sustain the initiative within their operational environment, thus reducing uncertainty and risk. Scope: The Office of the Under Secretary of Defense for Intelligence (OUSD(I)) sponsors the Information Environment Advanced Analysis Course (IEAA) to address strategic and operational gaps identified throughout the Department. The course prepares students to apply IEAA concepts to enable intelligence and operational communities to characterize, forecast, target, wargame and assess the information environment in support of a commander's decision-making process. Students are immersed in concepts, techniques and operational constructs and linked to the Joint Intelligence Preparation of the Operational Environment (JIPOE) and Joint Operational Planning Process (JOPP).

**PRE-REQUISITE:** Understanding of the Joint Operational Planning Process (JOPP) (Acquired through: JFC 100-Module Joint Operations Planning (2 hours) - NIPR JKO Course J30P-US1145) Understanding of the Joint Intelligence Preparation of the Operational Environment (JIPOE) (Acquired through: Joint Task Force Fundamentals Course 1010 (JTF-101)-Module Joint Intelligence (1 hour) - NIPR JKO Course J20 P-US013-13)

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P173002** | CIVCONTR | U | INTERNATIONAL ANTI-TERRORISM/ANTI PIRACY (IATP) | 4.2 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 70 **EIMET:** Yes

This course is a four week course, taught at the strategic/operational level, designed to acquaint military officers and civilian government officials (O3-O7 military or civilian equivalent) with the most up-to-date information on defenses to terrorism and piracy as well as a strategic understanding of the major terrorism and piracy threats worldwide. The course provides attendees with an overview of the latest developments in anti-terrorism/piracy actions being taken by governments, militaries and the private sector to defend against potential terrorist and pirate attacks and how to create a plan to meet those threats. The course features expert military and civilian guest speakers, numerous case studies, interactive student exercises and includes several field trips to harbors, airfields, power plants and similar potential terrorist targets. At course completion attendees are capable of leading a military or government organization in conducting vulnerability, risk, and criticality assessments of critical national infrastructure facilities or ashore and afloat military commands and of advising commands as an anti-terrorism and/or anti-piracy officer.

**PRE-REQUISITE:**

**COURSE NOTES:** Attendance can be funded from a variety of U.S. Military Cooperation and Assistance funds including, but not limited to CTFP, IMET, E-IMET, FMS and FMF funding.

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| **P173004** | A-494-0006 | U | EXP SHORE BASED CBRD OPSS | 2.6 | PCCG | Gulfport, MS 39501-5003 |

**ECL:** 80 **EIMET:** No

To provide officers, civilians, and enlisted personnel having responsibility for disaster preparedness with the skills necessary to prepare for, defend against, and recover from major accidents and natural or man-made disasters. Course designated as a High Risk course. SCOPE: Training includes the disaster preparedness program; organization and responsibilities; disaster preparedness plan and supporting document preparation; peacetime response and recovery requirements for major accidents and disasters; wartime protection, response and recovery operations; detection, protection, and decontamination due to nuclear, biological, and chemical contamination; chemical warfare defense operations; associated reports, related administrative and supervisory requirements; installation information and training program and inspection program, to include program analysis pertinent to disaster preparedness; and instructor fundamentals. Students will be required to perform in a simulated wartime and peacetime environment wearing actual protective clothing.

**PRE-REQUISITE:** Pregnant members are not allowed to attend this course due to the nature of the training. Officers (01-03), Enlisted personnel (E5-E8), open to all ratings. Failure to meet any prerequisite may result in disenrollment. Prior to transfer the transferring command will ensure the following: 1. Contact lenses may not be worn with the protective masks in hte Chemical Defense Training facility. If corrective lenses are required, students will be issued glass (optical) inserts for yhe chemical protective mask or be able to see 20/40 (near or distant) or better in one eye. Students reporting for instruction must meet Physical Readiness Program standards IAW OPNAVINST 6110.0 series (Body-fat percentage of 22% for males and 30% for females). Students failing to meet this requirement will be dropped from the course.

**COURSE NOTES:** Note regarding Living Allowances: Payments will be by U.S. Treasury check. Due to the short duration of training, students will be unable to open accounts with local banks. However, there are a number of locations where checks can be cashed for a minimal fee.To avoid check-cashing fees, students should arrive with suffient funds to last the duration of training.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P173025** | N/A | U | EXECUTIVE LEADERS PROGRAM | 39 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Course Length: 9 months The Executive Leaders Program offers a graduate-level education for high-ranking government and private-sector leaders. The program provides an educational forum to enhance senior leaders' capacity to identify and resolve homeland security problems as well as an opportunity to build networks among government and private-sector homeland security officials. Seminars are conducted on such topics as intelligence, critical infrastructure, border/immigration, threat recognition, crisis and risk communications, incident management and fear management as well as emerging homeland security issues. Curriculum: This program consists of four modules beginning with foundational aspects of homeland security and threats, proceeding to describe the nature of the threats, legal and cultural aspects of preventing and preparing for the threats, the collaborations necessary to effectively manage information sharing, threat recognition, protection measures, and plans in preparation for action. All of the topics will be discussed on a strategic, policy and organizational design level with particular attention to intergovernmental planning challenges. The participants will consider complex issues and case studies, and work through problems that enable them to strengthen working relationships across regions, agencies, and local-state-federal jurisdictional and private sector lines. Program Structure: Each module will be conducted over a four and one-half day period at the Naval Postgraduate School's Center for Homeland Defense and Security facilities in Monterey, CA. Four one-week sessions are held on the Naval Postgraduate School campus over a nine-month period. Participants must commit to attending all four sessions. Participants consist of approximately thirty senior local, state, tribal, federal government, military and private sector officials with homeland security responsibilities. The program is designed to accommodate the busy schedules of participating executives and will not require the workload of traditional graduate level education programs. The instruction will be a combination of presentations and facilitated discussion between faculty, participants and subject matter experts. The in-residence weeks will be structured around a Monday through Friday timeframe. Each day will begin at 8:00 a.m. and end by 4:00 p.m. with the exception of Friday which ends at 10:00 a.m. The hotel accommodations will be arranged for the Sunday prior to beginning the seminar through Friday. Selection Criteria: Candidates should be high-ranking government and private sector executives. The selection criteria look at the relevancy and level of applicants' positions and homeland security responsibilities, as well as the homeland security experience and knowledge they will bring to the program. This is significant as the sessions are facilitated roundtable discussions and debates where participants learn from one another. In addition, a major objective of the program is to establish relationships between executives across disciplines, agencies and levels of government so that they may utilize the network to develop new homeland security policies, strategies and plans to solve problems. Therefore, the selection criteria will also look at the potential benefit of relationship building to the applicant.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P173200** | CURR 699 | U | SPECIAL OPERATIONS -MS | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The Special Operations/ Irregular Warfare Curriculum is designed to provide a focused course of study of the conflict spectrum below general conventional war. Graduates of this curriculum will possess a close knowledge of the broad range of factors involved in the planning and conduct of these forms of conflict and a detailed understanding of the role of special operations and related forces in U.S. foreign and defense policy. The curriculum examines the sources and dynamics of inter-state and intra-state conflict, the challenge these forms of conflict have posed and are likely to increasingly pose for U.S. security planning, the doctrinal and institutional evolution of the U.S. special operations community, the recent history of political violence and "small wars" in Latin America, Asia, and the Middle East, the history of irregular warfare, and contemporary perspectives on low intensity conflict resolution. These curriculum specific requirements are supported by a larger program of study, which provides the graduate with a broad background in the areas of international relations, comparative strategy, the technological revolution in military affairs, and advanced analytical methods. MS DEGREE PROGRAM.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P173201** | CURR 693 | U | CTERR POLICY&STRAT-MA | 65 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

In January 2007, the National Security Affairs Department launched a new track on Counterterrorism Policy and Strategy (693). This five-quarter curriculum provides an understanding of the nature and dynamics of terrorist organizations, and the domestic and international variables involved in the formulation of counterterrorist policy. The curriculum allows the students to combine a regional focus with comparative courses that discuss terrorist organizations and operations, the financing of terror, legal and policing developments in counterterrorism, intelligence, and the military role in homeland defense. The NSA department is a unique environment in which to pursue this course of studies since its student body is inherently joint and combined, providing students with both a stimulating intellectual environment and an opportunity to establish networks and life-long working relationships with fellow officers from other services and countries.

**PRE-REQUISITE:** A baccalaureate degree with above-average grades, fluency in written and verbal English, and a minimum TOEFL score of 220 is required for international students. DEGREE: Master of Arts in Security Studies (Counter-Terrorism Policy and Strategy) SPECIAL

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P173800** | J- 9E-0002 | U | MARITIME ENGAGEMENT AND CRISIS RESPONSE (MECR) | 1 | PEWL | Virginia Beach, VA 23459-2740 |

**ECL:** 70 **EIMET:** No

Provide students with a basic knowledge of concepts, terms, organizations, and planning considerations of Military Operations Other Than War (MOOTW). 2. Present students with the U.S. perspective relative to MOOTW in general, and peace operations and humanitarian assistance operations in particular. 3. Prepare students to assume duties on a staff that may be involved in conducting, planning, or supporting peace operations and/or humanitarian assistance operations. SCOPE: The course includes classes that cover an array of aspects of MOOTW and include legal considerations; training considerations; interagency organization; NATO, UN, and multinational organizations; intelligence considerations; health services support; civil engineering support; logistical considerations; civil affairs, and U.S. policy on peace operations. Students will conduct a case study and assess lessons learned from previous peace operations and humanitarian assistance operations. The course is taught at the operational level and presents the U.S. perspective relative to MOOTW in general, and peace operations and humanitarian assistance operations in particular.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is open to U.S. Military (E-5 to O-6); U.S. government employees (GS-7 to GS-15), and international officers;and senior enlisted, and civilian staff members of a countries Ministry of Defense. MTT associated with this course is MASL P309199.

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| **P173802** | A- 7H-0007 | U | NAVY SECURITY FORCE OFFICER (NSFO) | 2 | PNAF | Chesapeake, VA 23322 |

**ECL:** 70 **EIMET:** No

This course will provide the designated Installation Security Officer/Law Enforcement Officer and Ships Security Officer for afloat and ashore units with the necessary knowledge and skills to manage Naval Security Force (NSF) assets, determine AT/FP readiness status, implement, organize and oversee all NSF/AT/FP and Law Enforcement policy changes. Provides unit level initial and sustainment training for assigned NSF /AT/FP personnel and functions as the NSF Officer in Charge. The Security Officer is the AT/FP Tactics, Techniques, and Procedures (NTTP) and Law Enforcement Subject Matter Expert (SME). The Security Officer will be able to organize, train and equip the NSF to conduct AT/FP/Law Enforcement operations. In conjunction with the Antiterrorism Officer (ATO), the Security Officer develops and executes the AT/FP plans. Scope: Topics addressed in this course include the following: DoD and DoN Antiterrorism/Force Protection; Law Enforcement and Physical Security Programs; Requirements for Armed Sentries/Response Forces; Tactics, Techniques , and Procedures for AT/FP, Law Enforcement and Harbor Defense/Security Boat Operations; Knowledge and Skills Involved in Supervision of: Weapons Handling/Firearms Safety; Watch Turnover Including Guard Mount and Clearing Barrel Procedures; Implementation of the Unit AT/FP Plan; AT/FP Law Enforcement Training Programs; Readiness and Vulnerability Assessments. Student teams will develop and brief AT/FP planning, document exercises, and draft messages including Spot Reps and Blue Darts. The course includes knowledge of instructional delivery/briefing techniques, and practice teaching.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P174005** | A-4A-1112 | U | NAVAL CONSTRUCTION FORCE OPERATIONS BASIC COURSE | 2 | PCEC | Port Hueneme, CA 93043-4336 |

**ECL:** 70 **EIMET:** No

This course covers a broad range of Naval Construction Force (NCF) operational and administrative topics at the middle management level. The topics covered in this course are: 1. Units of the NCF. 2. Command and Support Relationships. 3. Doctrine and the NCF. 4. Operational Planning Requirements. 5. Construction planning and Estimating. 6. Project Management. 7. Quality Control. 8. Safety. 9. Environmental Mgt. 10. Supply. 11. Table of Allowance. 12. Equipment Management. 13. Maintenance and Material Mgt (3M). 14. Training and Readiness. 15. ABFC Systems. 16. Current NCF Operations. 17. Embarkation Operations. 18. Seabee Camp Turnover. 19. NCF Communications. 20. Defensive Security Concepts. 21. Company Command Post Operations. 21. Leadership Perspectives. This course includes a comprehensive written exam and a practical exercise that tests the students ability to monitor, delegate and follow-up with assigned tasks. SCOPE: The Naval Construction Force Operations Basic course is designed to prepare first-tour Officers and Chief Petty Officers with basic knowledge and skills needed to perform leadership and management duties upon reporting to a Naval Construction Force unit. Classroom and laboratory instruction will be provided in construction and contingency planning and operations, Naval Construction Force, and force programs, under normal conditions.

**PRE-REQUISITE:** Officers of other designators and non OF-7 Chief Petty Officers assigned or ordered to a Naval Construction Force unit. E6 personnel assigned to a Naval Construction Force unit may be selected based on availability of seats. Active duty and reserve civil engineer corps (510x, 653x, 753x) officers (O1-O4). Seabee OF-7 Chief Petty Officers (E7-E9).

**COURSE NOTES:** Because of Base Security requirements at this military installation, all International Travel Orders (ITOs) are mandated to be accessible to the IMSO 45 days "before" the IMS is to arrive and commence training. If the IMS is unable to secure an ITO by 45 days prior to training, they must send over the following identifying information to the IMSO: full name, rank, place of birth, date of birth, passport ID and job description or the quota will be cancelled. If the identifying information is provided but an ITO is still not received by 30 days prior to training the quota request will be cancelled. On Base Housing can be extremely limited and it is not recommended to bring families or dependents for the duration of the course.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P174006** | A-710-0022 | U | CONSTRUCTION INSPECTOR | 8 | PCCG | Gulfport, MS 39501-5003 |

**ECL:** 70 **EIMET:** No

To personnel with the knowledge and skill factors to review and analyze project construction drawings and specifications and prepare a Construction Inspection Plan including a checklist of inspection points during critical phases of construction and installation. Verify that all materials and/or equipment ordered meet specifications and verify conformance to specifications upon receipt. Inspect all phases of construction and installation, including civil, architectural and structural, electrical and mechanical, for compliance with drawings, specification and acceptable safe operating, installation and construction practices. Coordinate and observe specified tests on materials, electrical and mechanical systems (including operational tests on installed equipment) and ensures the contractor performs quality control tests on such items as sub base materials, aggregates and cementitious binders and on related mixes before, during and after installation. Upon receipt of all test results, the inspector analyzes results for compliance with specifications; prepare logs, records and reports on all inspections and tests. Scope: Construction Administration Details duties and responsibilities of the construction inspector throughout the various types of Navy inspection organizations, such as ROICC, public works, naval construction forces. Items dealt with include: Contract management, planning for contract compliance and safety, turnover and acceptance of work, damages, claims, labor standards and standards of conduct. Site work Details duties and responsibilities of the construction inspector as they pertain to site control surveys and preparation of sub base materials for construction, installation of sub grade utilities, soils stabilization, flexible and rigid pavements and landscaping. Structural/Architectural Details duties and responsibilities of the construction inspector in the acceptance of materials and the inspection of products covering concrete, masonry, structural steel, light ad heavy wood products, roofing, hardware, interior and exterior finishes, and specialty items. Electrical Details duties and responsibilities of the construction inspector in the acceptance of materials and the inspection of products concerning primary power distribution, interior electrical services and communications. Mechanical Details duties and responsibilities of the construction inspector in the acceptance of materials and the inspection of products concerning plumbing both portable service and waste collection, refrigeration and HVAC systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P174007** | A-711-0030 | U | STEELWORKER CORE "C" SCHOOL PIPELINE | 16 | PCCG | Gulfport, MS 39501-5003 |

**ECL:** 70 **EIMET:** No

Impart technical knowledge and practical skills necessary for assignment as a steelworker trade crew supervisor. Provides in-depth instruction in the principles of sheet-metal layout and fabrication; reinforcing steel estimating; Oxy Acetylene Brazing, Cutting and Welding (OAW); pipe layout and fabrication; Gas Metal Arc Welding (GMAW); Shielded Metal Arc Welding (SMAW); and Shielded Metal Arch Welding Pipe-Uphill (SMAWP-U).

**PRE-REQUISITE:** Vision correctible to 20/20 is required.

**COURSE NOTES:** Highly recommend completing Sweelworker Class "A" (A-711-015) P174228 prior to attending Steelworker Core "C" School Pipeline

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| **P174008** | A-730-0009 | U | EQUIPMENT OPERATOR "A" SCHOOL | 3 | PFLW | FT Leonard Wood, MO 65473-8962 |

**ECL:** 70 **EIMET:** No

This course provides training to entry level Equipment Operators, in Navy driver requirements including the following: completing forms and reports, transportation duties, rules of the road, hand signals, operation and maintenance of material handling equipment, operation and maintenance of the Medium Tactical Vehicle Replacement (MTVR) dump truck, and truck-tractor trailer. Successful completion of this course will enable graduating students to perform apprentice level tasks associated with the Equipment Operator rating in the field when assigned to a Naval Mobile Construction Battalion or another naval activity under peacetime, wartime, and contingency conditions.

**PRE-REQUISITE:**

**COURSE NOTES:** Must have stereoscopic vision; No driving Under the Influence of Alchohol within 1-year of attending "A" School; must hold a valid state driver's license; No major vehicle accidents.

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| **P174009** | A-730-0000 | U | EQUIPMENT OPERATOR ACCESSION PIPELINE | 13.2 | PFLW | FT Leonard Wood, MO 65473-8962 |

**ECL:** 70 **EIMET:** No

EQUIPMENT OPERATOR ACCESSION PIPELINE

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P174011** | CURR 440 | U | OCEANOGRAPHY - MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

OCEANOGRAPHY - MS CURR 440 Description: The Oceanography Curriculum provides students with a sound understanding of the science of oceanography. The student develops the technical expertise to provide and use oceanographic and acoustical data and models in support of all aspects of at-sea operations. The graduate will be able to: 1) Interpret and predict oceanic and air-ocean interface conditions. 2) Operate modern oceanographic data management, archival and communications systems. 3) Plan, conduct, interpret and present results of research activities. This education further enhances performance in operational billets, technical management assignments and policy making positions. Students will develop a sound, graduate-level, technical ability based on scientific principles. Course Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 18-24 months

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P174015** | CURR 308 | U | SYSTEMS ENGINEERING AND ANALYSIS-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

This interdisciplinary curriculum provides a foundation in systems thinking, technology, and operations analysis for warfighters. Graduates will be able to understand how to develop and fight new systems of combat systems, and have a more thorough understanding of current combat systems. Students normally complete group projects in lieu of theses. These "capstone" projects are chosen to allow students to gain a thorough understanding of a critical warfare area and to provide the Navy and other services insights about future systems options to meet emerging needs. This curriculum is designed for combat officers, and will enable the student to exploit emerging technologies to achieve war-fighting advantages. The students will blend their operational experience with a thorough technical education to expeditiously integrate new technological capabilities into operational applications. The officer will be able to evolve current tactics and doctrine to expeditiously leverage imminent technological advances. This war-fighting oriented program provides a solid understanding of the principles and applications of systems engineering, and employs these principles to gain insight into operational problems. This program includes a core of courses, in fields of modeling, simulation, weapons, and sensors that will enhance understanding and analysis of selected case studies and weapons systems. The program is designed as a highly integrated graduate education. Lectures, team projects, and individual research are provided, as well as seminars from visiting experts. Each arriving officer is evaluated for existing knowledge, skills and competencies and an individual course of study developed.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 24 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P174021** | CURR 440 | U | OCEANOGRAPHY - PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Four year program PHD program. For course description information refer to Curriculum 440- Oceanography MS.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P174052** | A- 4A-0010 | U | CEC OFF BAS QUAL | 9 | PCEC | Port Hueneme, CA 93043-4336 |

**ECL:** 75 **EIMET:** No

To orient the new CEC officer (O1-O3) to the role of the CEC in the Navy and to prepare them to be immediately effective upon assuming the duties of their first CEC billet. The course is seven weeks long covering subject matter including: junior officer leadership, National command structure, organization and responsibilities of the Navy Public Works Domain, construction technology and scheduling, construction quality control and workplace safety and basic military field tactics.

**PRE-REQUISITE:** Because of Base Security requirements at this military installation, all International Travel Orders (ITOs) are mandated to be accessible to the IMSO 45 days "before" the IMS is to arrive and commence training. If the IMS is unable to secure an ITO by 45 days prior to training, they must send over the following identifying information to the IMSO: full name, rank, place of birth, date of birth, passport ID and job description or the quota will be cancelled. If the identifying information is provided but an ITO is still not received by 30 days prior to training the quota request will be cancelled. On Base Housing can be extremely limited and it is not recommended to bring families or dependents for the duration of the course.

**COURSE NOTES:** This course is originally 15 weeks long. International Students do not attend the last 6 weeks of this course in Contracting Law. This portion of the course is not available to International Military Students (IMS). STUDENTS SHOULD BE PREPARED FOR ADDITIONAL FOOD COSTS AS FOLLOWS: $105 for field rations and $75 for social events. This is a junior officer accessions course and is not suitable for international officers above the rank of O-3. International officers attending the course must be in excellent physical condition as they are expected to participate in unit physical training as part of the course. Additionally, during the field training exercise officers will be engaged in forced marches, unit movements and wearing personal protective equipment weighing around 50 lbs (25 KG). International Military Students should NOT take it upon themselves to take a taxi to their training Installation, NBVC Port Hueneme, from LAX. They must be aware that prior arrangements will always be made to pick them up. They should call the IMSO first at: (805) 797-3439, if they cannot locate their military transportation. The Quarter Deck at (805) 982-4298 should be their 2nd call. If the IMSO or the Quarter deck cannot be reached, then a shuttle should be their next option of transportation.

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| **P174056** | A-610-0022 | U | INTERSERVICE MECHANIC APPRENTICE | 11.6 | PCCH | Port Hueneme, CA 93043-4303 |

**ECL:** 70 **EIMET:** No

This course provides apprentice-level training to Navy and Air Force personnel in maintenance and isolating malfunctions of military and commercial vehicles, internal combustion engines and related components (both gasoline and diesel), steering and suspension, power trains, hydraulics, and brake systems. SCOPE: Instruction in the proper use and care of tools; theory, troubleshooting and tune up of gasoline, diesel engines; automotive power trains and construction equipment power trains theory and analysis of electrical systems.

**PRE-REQUISITE:**

**COURSE NOTES:** Vision correctable to 20/20 required; All personnel shall wear standard PT gear with athletic shoes with white socks. International Military Students should NOT take it upon themselves to take a taxi to their training Installation, NBVC Port Hueneme, from LAX. They must be aware that prior arrangements will always be made to pick them up. They should call the IMSO first at: (805) 797-3439, if they cannot locate their military transportation. The Quarter Deck at (805) 982-4298 should be their 2nd call. If the IMSO or the Quarter deck cannot be reached, then a shuttle should be their next option of transportation.

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| **P174072** | A-730-0049 | U | ADVANCED EQUIPMENT OPERATOR PIPELINE | 13 | PCCH | Port Hueneme, CA 93043-4303 |

**ECL:** 80 **EIMET:** No

Provides the advanced technical skills and principles of job management necessary to qualify for assignment as a trade crew leader on a construction project. Includes principles and techniques of mathematics related to earthwork and equipment production, earthwork and equipment production effectiveness; advanced principles of earthwork; advanced principles of asphalt mixing and paving; techniques of increasing production rate; operation, adjustment, and servicing of asphalt distributors; pavers; cranes with attachments; crawler and wheel tractors with attachments; motorized graders; road rollers; scrapers, and principles and techniques of foremanship. THIS COURSE IS INTENDED FOR ENLISTED E-4 THRU E-6 US MILITARY EQUIVALENTS ONLY.

**PRE-REQUISITE:**

**COURSE NOTES:** It is MANDATORY that any International Military Student (IMS), requesting to attend this course, provide a credit card number to the IMSO 30-days before their arrival date so as to secure the IMSs lodging. THIS COURSE IS INTENDED FOR ENLISTED E-4 THRU E-6 US MILITARY EQUIVALENTS ONLY.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P174073** | A-412-0027 | U | ADVANCED ENGINEERING AID (ADV EA) | 10 | PCCG | Gulfport, MS 39501-5003 |

**ECL:** 70 **EIMET:** No

To provide the advanced technical skills and principles of job management necessary to qualifty for assignment as a trade crew leader on a construction project. SCOPE: Advanced and supervisory instruction in the four major areas of EA rating. CONSTRUCTION DESIGN/DRAFTING: Familiarization of engineering terms and design computation such as: load and load capacity determination of a structural member, reinforced concrete design, sanitary and plumbing design. SURVEYING: Fundamentals of triangulation, building and route layout and surveying, drainage and airfield design, topographic surveying and mapping. PLANNING, ESTIMATING AND SCHEDULING: Material, labor and equipment estimating with emphasis on construction scheduling, production control, resource management, and progress reporting. QUALITY CONTROL: Site determination for construction through soils exploration, field and laboratory testing of soils, aggregates, concrete and asphalt and design of concrete and asphalt mixes based on ASTM standards. Field inspection of construction projects is covered in this course.

**PRE-REQUISITE:** All candidates must have credit in a course in trigonometry. Compliance with TRANSMAN Chapter 7 is mandatory.

**COURSE NOTES:**

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| **P174100** | A-721-0018 | U | CONSTRUCTION ELECTRICIAN A SCHOOL | 14.8 | PSDT | Sheppard AFB, TX 76311-2254 |

**ECL:** 70 **EIMET:** No

PURPOSE: To provide basic technical knowledge and basic practical skills in preparing for immediate usefulness as a Construction Electrician. SCOPE: Trains Navy personnel in electrical safety, pole climbing, electrical fundamentals, basic mathematics, national electric code, blueprint reading, electrical grounding theory and application, substation maintenance, construction and maintenance of overhead and underground distribution systems, installation and maintenance of interior electrical systems including special purpose systems, transformers, electrical services, distribution panels, protective devices, conduit and branch circuits, motors and motor controls, generator operations.

**PRE-REQUISITE:** Must NOT have a fear of heights, and stand on poles for long periods of time. Construction Electricians are required by occupational standards to work and climb wooden poles with lineman's gaffs, lift with both legs, run for conditioning of their legs, climb ladders. Personnel reporting for TAD training in an obese/unfit status not meeting the policy goals set forth by OPNAVINST 6110.1(series) may be refused training and returned to parent command at the discretion of the Commanding Officer. Vision correctable to 20/20 with normal color perception is required.

**COURSE NOTES:**

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| **P174172** | A-730-0046 | U | TRANSPORTATION OPERATIONS | 4.2 | PCCH | Port Hueneme, CA 93043-4303 |

**ECL:** 80 **EIMET:** No

This course will provide Equipment Operator personnel the advanced technical training to perform Transportation Supervisor duties, transport hazardous materials, plan line hauls, and operate manual truck-tractors using technical references, in normal field conditions. This course is a module of Equipment Operator Core 'C' School Pipeline (CIN A-730-0049).

**PRE-REQUISITE:** RANK: E4-E6 RATE: EO State and Military Driver License Required 301 Qualification Complete Equipment Operator "A" School or equivalent Personnel must provide documentation of current Physical Health Assessment (PHA) and be Fit for Full Duty.

**COURSE NOTES:** It is MANDATORY that any International Military Student (IMS), requesting to attend this course provide a credit card number to the IMSO 30-days before their arrival date so as to secure the IMSs lodging. THIS COURSE IS INTENDED FOR ENLISTED E-4 THRU E-6 US MILITARY EQUIVALENTS ONLY.

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| **P174173** | A-730-0047 | U | EARTHWORK OPERATIONS | 5.4 | PCCH | Port Hueneme, CA 93043-4303 |

**ECL:** 80 **EIMET:** No

This course will provide Equipment Operator personnel the advanced technical training to utilize geographic information systems to perform horizontal construction, trenching and road construction and maintenance using technical references, in normal field conditions. This course is a module of Equipment Operator Core 'C' School Pipeline (CIN A-730-0049).

**PRE-REQUISITE:** RANK: E4-E6 RATE: EO State and Military Driver License Required 3M 301 Qualification Complete Equipment Operator "A" School or equivalent Complete General Crane Safety (A-730-0035) or NKO General Crane Safety (NCC-GCS-02) within 2 Years of starting the course or Complete NKO General Crane Safety Refresher (NCC-GCRS-03) Complete NKO Crane Rigger (NCC-CR-04) Personnel must provide documentation of current Physical Health Assessment (PHA) and be Fit for Full Duty.

**COURSE NOTES:** It is MANDATORY that any International Military Student (IMS), requesting to attend this course provide a credit card number to the IMSO 30-days before their arrival date so as to secure the IMSs lodging. THIS COURSE IS INTENDED FOR ENLISTED E-4 THRU E-6 US MILITARY EQUIVALENTS ONLY.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P174174** | A-730-0048 | U | PAVEMENTS | 4.2 | PCCH | Port Hueneme, CA 93043-4303 |

**ECL:** 80 **EIMET:** No

This course will provide Equipment Operator personnel the advanced technical training to safely perform soil stabilization and asphalt operations in normal field conditions. This course is a module of Equipment Operator Core 'C' School Pipeline (CIN A-730-0049).Course Description:

**PRE-REQUISITE:** RANK: E4-E6 RATE: EO State and Military Driver License Required 3M 301 Qualification Complete Equipment Operator "A" School or equivalent Personnel must provide documentation of current Physical Health Assessment (PHA) and be Fit for Full Duty.

**COURSE NOTES:** It is MANDATORY that any International Military Student (IMS), requesting to attend this course provide a credit card number to the IMSO 30-days before their arrival date so as to secure the IMSs lodging. THIS COURSE IS INTENDED FOR ENLISTED E-4 THRU E-6 US MILITARY EQUIVALENTS ONLY.

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| **P174209** | A-710-0057 | U | ADVANCE BUILDER | 16 | PCCH | Port Hueneme, CA 93043-4303 |

**ECL:** 70 **EIMET:** No

To provide Builder Petty Officer and Chief Petty Officer with the knowledge and advanced technical skills and principals of job management necessary to qualify for assignment as a trade crew leader on a construction project. Includes advanced instruction in mathematics; mixing, placing, finishing, curing, and testing concrete. Form Construction; masonry construction; foundation construction; framing of floors, walls, stairs, and roofs; installation of interior and exterior trim; preparation of surfaces; roofing application, operation of shop tools and equipment; shop management and layout; job planning; estimating, and material take off; construction safety; and techniques of foremanship. THIS COURSE IS INTENDED FOR ENLISTED E-4 THROUGH E-6 U.S. MILITARY EQUIVALENTS ONLY.

**PRE-REQUISITE:**

**COURSE NOTES:** International Military Students should NOT take it upon themselves to take a taxi to their training Installation, NBVC Port Hueneme, from LAX. They must be aware that prior arrangements will always be made to pick them up. They should call the IMSO first at: (805) 797-3439, if they cannot locate their military transportation. The Quarter Deck at (805) 982-4298 should be their 2nd call. If the IMSO or the Quarter deck cannot be reached, then a shuttle should be their next option of transportation. BRING TYPE III UNIFORM TO WORK IN AND DRESS UNIFORM FOR THE SEASON OF THE CLASS.

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| **P174233** | CURR 460 | U | ENGINEERING SCIENCE | 13 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Candidates not having the required qualifications for direct entry to technical/engineering curricula may be eligible to enter this technical refresher quarter program where they will receive courses in math/calculus, physics and computer science. Normally this refresher program is required when a candidate's Academic Profile Code (APC) indicates a deficiency in mathematics and/or scientific and technical subject matter; or sufficient time has expired since the candidate's most recent college experience, and, as such, would benefit from this academic review of technical materiel. The refresher sequence is normally 13 weeks (one quarter) in length; however, there are occasions when a student may be assigned two quarters of refresher prior to entering a technical curriculum. See MASL P178023.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P174235** | CURR 373 | U | METEOROLOGY AND OCEANOGRAPHY (METOC)-MS | 117 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

This curriculum in meteorology and oceanography involves approximately 109-quarter hours of classroom lectures, supplemented by an additional 42-quarter hours of laboratory exercises. This program is designed to provide the student with: 1) A thorough understanding of the principles governing the physical and dynamic properties of the oceans and atmosphere. 2) The ability to observe, assimilate, analyze, interpret, and predict oceanic and atmospheric parameters and conditions using field experimentation, direct and remote sensing observational techniques, statistical analyses and numerical models. 3) A thorough understanding of the effects of oceanic and atmospheric properties and conditions on weapon, sensor and platform performance while conducting and supporting Naval warfare with particular emphasis on ocean acoustics and electromagnetic/optical propagation. 4) An oceanographic or meteorological research experience germane to Naval warfare culminating in a thesis of professional quality. 5) A knowledge of Joint Strategy and Policy. 6) Thesis with multi-authors is not allowed. This education will enhance performance in all duties throughout a career, including operational billets, technical management assignments and policy making positions. Students will develop graduate-level technical ability based upon scientific principles, acquire diverse professional knowledge and develop analytical ability for practical problem solving.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 27 months . Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P174250** | A-412-0010 | U | INTRO ENGINEERING AIDE A SCHOOL | 15.8 | PFLW | FT Leonard Wood, MO 65473-8962 |

**ECL:** 70 **EIMET:** No

To provide basic knowledge and skills in preparation for immediate usefulness as Engineering Aide Striker. SCOPE: Construction surveying using conventional equipment, and the automated survey instruments for military construction to include: project mapping operations, construction support surveys, road operations, road construction, and building/utility layout surveys. Conventional and Computer Aided Drafting (CAD) to include: applied engineering graphics, architectural, and structural. Use soils, of concrete test sets for obtaining information on materials used for site evaluation, design, construction, and quality control of military construction.

**PRE-REQUISITE:**

**COURSE NOTES:** Pay Grad E-1; Vision correctable to 20/20; Technical or surveying experience training or aptitude desirable; Must be in good physical condition, personnel reporting in an obese/unfit status not meeting policy goals set forth by OPNAVINST may be refused training and returned to parent command.

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| **P174270** | CURR 580 | U | SYSTEMS ENGINEERING-MS | 91 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Systems Engineering at NPS provides a broad education in systems engineering methods and tools, and depth in a particular domain of application. Several domain tracks are offered, including combat systems engineering, ship systems engineering, and network-centric systems engineering. Other tracks are added, based on sponsor and student demand. The tracks consist of eight or more courses to gain depth in the domain area. These tracks complement the standard set of systems engineering courses. The curriculum is interdisciplinary and draws on courses from across campus. Graduates will: Demonstrate the ability to identify, formulate, and solve operational, technical, and engineering problems in Systems Engineering and related disciplines using the techniques, skills, and tools of modern practice, including modeling and simulation. These problems may include issues of research, design, development, procurement, operation, maintenance or disposal of systems and processes for military applications. Demonstrate proficiency in the systems engineering process, including defining requirements, conducting functional analysis, designing and architecting a system, analyzing it against requirements, allocation of requirements to sub-systems, conducting trade-off studies, determining the cost of the system, integrating human factors into the system, designing logistical supportability, and planning for its testing and evaluation. Demonstrate proficiency in core skills of systems analysis, to include deterministic and stochastic modeling of systems, optimization, decision analysis, risk analysis, economic models, and lifecycle supportability analysis. This includes familiarity with combat simulations and combat modeling. Demonstrate the ability to work as a team member or leader in a large systems engineering project, and to provide leadership in the systems engineering management process. The graduate must be able to interact with personnel from other services, industry, laboratories and academic institutions. Students come from the uniformed services, civilian members of government, and from foreign military services. US Navy Engineering Duty Officers constitute a substantial portion of the students.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 21 months. (Students requiring a refresher quarter to meet entrance requirements will begin in July or January.) Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P175000** | B- 6C-1110 | U | PERIODONTICS FOR GENERAL DENTIST | 0.6 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 80 **EIMET:** No

Designed to update practitioners on the state-of-the-art in periodontal diagnosis, etiology of the periodontal diseases, integration of periodontics into multi-disciplinary plans for treatment, execution of non-surgical and surgical treatment, and provision of short and long term periodontal supportive treatment. Scope: Topics covered will include the periodontium in health and disease, etiological factors of the periodontal diseases, principles of periodontal surgery, principles and techniques in maintaining osseointegrated dental implants, integrated treatment for incipient to advanced periodontal disease with all other therapies for clinical patients, and periodontal treatment for patients as a part of routine general practice.

**PRE-REQUISITE:**

**COURSE NOTES:** Continuing Education Credits are given by the Academy of General Dentistry and the American Dental Association. Full course credit cannot be given to early departees. Continuing Education Credit - 21 hour maximum.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175002** | A- 4N-0018 | U | RECOGNITION AND TREATMENT OF DIVING CASUALTIES | 2 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

The recognition and treatment of diving casualties course is designed to provide medical officers with the basic training necessary to safely and effectively perform as a medical advisor for hyperbaric treatments and to effectively evaluate divers and diver candidates prior to diving. Prepares medical officers in identifying diving diseases, injuries, and initiating the appropriate treatment; performing appropriate diving medical examinations and performing as an inside tender for hyperbaric chamber operations.

**PRE-REQUISITE:** RECOGNITION AND TREATMENT OF DIVING CASUALTIES **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** Students are required to maintain a minimum ECL requirement of 80 to attend this course. The Recognition and Treatment of Diving Casualties Course does not provide any diving training or qualifications; however, the course does provide the opportunity to participate in simulated diving causalities and become familiar with basic hyperbaric chamber operations. As such, Recognition and Treatment of Diving Casualties course candidates must meet the medical requirements for Diving Duty in accordance with the Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Students cannot be pregnant. Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. A copy of the forwarding letter shall be provided to NETSAFA. All medical requirements must be completed prior to arrival at the course site. A diver physical screening test is not a prerequisite for this course. Students should report at least one working day prior to the convening date for administrative processing. All students, upon arrival, must have with them both medical and dental records. Medical requirements for this course can be found in the NDSTC IMS Handbook located at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf For more information, refer to the Naval Diving and Salvage Training Center website: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Medical.aspx Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:**

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| **P175007** | B- 6C-1008 | U | ORAL MEDICINE AND ORAL PATHOLOGY | 0.8 | PDEN | San Diego, CA 92134 |

**ECL:** 80 **EIMET:** No

Provide a review and update of the local and systemic diseases that affect the oral and paraoral tissues. Scope: This covers the five major areas of disease: developmental, inflammatory, metabolic, neoplastic, and miscellaneous. Continuing Education Credits are given by the Academy of General Dentistry and the American Dental Association. Full course credit cannot be given to early departees.

**PRE-REQUISITE:** Federal Agency dentists and a limited number of civilian dentists. The class of participants will be divided into three smaller Conferences. These conferences, clinicopathologic in nature, will informally discuss cases that deal with different aspects of the disease. Maximum con tinuing education credits-35 hours.

**COURSE NOTES:** Continuing Education Credit - 28 hour maximum.

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| **P175008** | B-322-1077 | U | OPERATIONAL ENTOMOLOGY TRAINING (OET) | 2 | PNDV | Jacksonville, FL |

**ECL:** 70 **EIMET:** No

OET is a scenario based, experiential training course that is designed to give students operational entomology experience in the context of a deployed/operational/global health engagement or humanitarian assistance/disaster relief deployment. Through team-based scenario solutions and field exercises, students gain an understanding of the philosophy of operational public health pest management; mastery of surveillance and control equipment and methodology; interpreting surveillance data; planning and execution of arthropod and vertebrate pest management programs; accessing relevant information; and risk communication. Individuals completing this course are eligible to take examinations in Category 8 (Public Health Pest Control) to regain a valid DoD Pesticide Applicator certificate.

**PRE-REQUISITE:** Current State or Federal Certification in EPA Pesticide Applicator Category 8, Public Health Pest Control. In lieu of the above prerequisites, IMSs may instead receive approval from Navy Entomology Center of Excellence. Contact the Training Department at 904-542-0288 or email: nece-training@med.navy.mil NOTE: This course assumes a significant level of prior knowledge in public health pest control. Attendees holding current EPA category 8 license may test for recertification at the conclusion of this course with prior approval of the schoolhouse and the issuing authority.

**COURSE NOTES:** The course will be conducted from noon on Sunday to noon on Saturday. Students flying in should arrive at the airport before 11AM if they are going to be picked up. Students will be conducting operations and training evolutions all day and during some nights. There is no "free time" and a normal workday routine is not followed. Students are not dismissed in the evenings.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175011** | N/A | U | PASTORAL CARE RESIDENCY (PCR) ~ EAST COAST | 56 | PNMC | Portsmouth, VA 23708 |

**ECL:** 70 **EIMET:** No

Pastoral Care Residency (PCR) - Clinical Pastoral Education (CPE) program is to train future Clinical Chaplains in Pastoral Care and Counseling. Upon successful completion of the PCR - CPE program the Chaplain will be eligible to apply for 'Board Certified Chaplain' through Association of Professional Chaplains (APC). During the PCR-CPE year the Chaplain will receive: -Weekly classroom lectures pertinent to Clinical Ministry. -400 hours (100 hours per quarter) of structured group and individual Clinical Supervision from an ACPE Supervisor. -Weekly Individual and Group Clinical Verbatim (Written Case: Reflection reports). -1,200 hours (300 hours per quarter) of direct Clinical Pastoral Care, pertinent research, and preparation. -Standing Duty (An in-hospital after hours watch) 3 times per month. -2,800 pages of professional reading (700 pages per Quarter). 395 days (13 months); to be done continuously and sequentially. Some consideration can be given if the Chaplain is coming from a deployment; must be cleared first. - September General orientation to Naval Medical Center Portsmouth and Hampton Veterans Administration Medical Center. 1st Quarter - October - December December - January (2 wk break from PCR-CPE with liberal leave.) 2nd Quarter- January - March March - April (2 wk break; Residents should expect to attend professional conferences.) 3rd Quarter - April - June June - July (2 wk break from PCR-CPE generally for leave) 4th Quarter - July - September September (Last 10 days, check-out and graduation.)

**PRE-REQUISITE:** Military Chaplain on Orders to the PCR-CPE program. - At least a Masters of Divinity or equivalent Graduate degree. - Endorsed by their specific faith tradition for full time ministry. - Sufficient general - staff Chaplaincy experience; typically about nine years.

**COURSE NOTES:**

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| **P175014** | B- 6C-1005 | U | ORAL AND MAXILLOFACIAL SURGERY TECHNIQUES | 0.8 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 70 **EIMET:** No

This course is designed for the general practitioner and the exodontist who is interested in the latest advances in clinical outpatient oral surgery. Topics covered will include medical evaluation of the surgical patient, management of the medically compromised patient, treatment of medical emergencies in the dental operatory, basic and complicated exodontia technique, management of post-operative complications, recognition and treatment of odontogenic infection, antibiotic therapy, biopsy technique, diagnosis and treatment of facial fractures, management of facial soft tissue trauma, dental implants, extraoral/panoral radiography overview of orthognathic surgery and the recognition of common oral pathoses.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175016** | B- 6C-1022 | U | ORAL/MAXILLOFACIAL PATHOLOGY | 0.6 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 70 **EIMET:** No

Review/update of local and systemic diseases that affect oral and maxillofacial tissues, emphasis given to development of meaningful clinical differential diagnosis and effective two-way communication between clinician and oral/maxillofacial pathologist. Course covers five major categories of disease: Developmental, inflammatory, metabolic, neoplastic, and infectious. Participants will participate in no less than two clinicopathologic sessions. Additional emphasis, when appropriate, will be placed on adjunctive special laboratory studies, biopsy technique, histopathology and rationale used to arrive at a final diagnosis.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175017** | N/A | U | ORAL & MAXILLOFACIAL SURGERY REVIEW FOR SURGEONS | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

This course differs from the Oral and Maxillofacial course, in that it prepares Oral Surgeons specifically to take their Oral Boards. CONCENTRATED LECTURES COVERING FREQUENTLY EXAMINED TOPICS ALONG WITH GROUP AND INDIVIDUAL STUDY SESSIONS WILL ASSIST THE WELL-PREPARED CANDIDATE TOWARD BOARD CERTIFICATION. A MOCK ORAL BOARD EXAMINATION FOR ACTIVE DUTY MILITARY WILL PRECEDE THE COURSE ON SUNDAY, 7 FEB 2010.

**PRE-REQUISITE:** Active duty Navy Oral and Maxillofacial Surgeons who are board-eligible and plan to take the Part II examination (Orals) of the American Board of Oral and Maxillofacial Surgery in 2010. Other military and Federal agency Oral and Maxillofacial Surgeons, who will be taking the Part II examination (Orals) of the American Board of Oral and Maxillofacial Surgery in 2010 are invited to enroll in the lectures and study session portion of the course. Non-federal agency dentists will only be accepted on a "space available" basis. Candidates are encouraged to attend the O&M Pathology course held 01-015 Feb 2010. Non-federal agency dentists will only be accepted on a "space available.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175018** | N/A | U | HEALTH EMERGENCIES IN LARGE POPULATIONS (HELP) | 2 | VAR | |

**ECL:** 80 **EIMET:** No

The Center for Excellence in Disaster Management and Humanitarian Assistance (CFE) in collaboration with the International Committee of the Red Cross (ICRC) and in academic partnership with the University of Hawai'i at Manóa's Office of Public Health Studies, offers the Health Emergencies in Large Populations (HELP) course to Security Assistance (SA) eligible countries. This course can be resourced with IMET funds, or host nation funds (on an FMS case) and will be open to enrollment by other SA eligible countries and civilians to enhance the multinational/civil-military flavor of the course. HELP provides participants with a foundation of information regarding the role of health and public health in complex humanitarian emergencies in the international arena. Graduates of this course will be better prepared to plan for and participate in humanitarian emergencies. COURSE OBJECTIVES The key objectives of the course are to provide instruction and technical assistance to: 1) Select methods for assessing specific emergency situations in the field; 2) Identify the key players, and their roles and objectives in complex humanitarian emergencies and natural disasters; 3) Apply components of health systems strengthening to complex emergencies and natural disasters, assessing the coordination and interplay among all organizations, people and actions whose primary intent is to promote, restore and maintain health; 4) Discuss the definitions and unique issues in coordination, public health, security, humanitarian law, human rights, and logistics necessary to support humanitarian operations in response to complex emergencies and natural disasters. The two- week (80 hour) program emphasizes an understanding of the major actors, lessons learned from previous complex humanitarian emergencies, key public health issues, health services in complex humanitarian emergencies, application of health systems strengthening components to complex emergencies; concerns of refugees and internally displaced persons, international humanitarian law, human rights, security issues, civil-military operations, and measures of effectiveness as the primary topics. CFE's instruction will be consistent with graduate-level professional programs and is paired with the option for participants to receive graduate-level credits, accredited through the University of Hawaii (at an additional cost to the participant). This course is designed for rising, mid-level professionals and leaders working within organizations that plan and execute civilian health emergency and disaster relief operations, or develop and implements such policy, or conduct educational/training programs in support of these operations. Once students complete this course, they will be familiar with UN, regional, multi-national, and humanitarian interagency coordination, public health, health systems strengthening, security and logistics. FACULTY TEAMS CFE leverages global experts to present the various disciplines and areas necessary to respond to humanitarian emergencies with an emphasis on public health. CFE faculty teams consist of proven military and civilian subject-matter experts.

**PRE-REQUISITE:**

**COURSE NOTES:** The course is taught in English. An English Comprehension Level (ECL) of 80 is required by participants. COST The cost of the course per student is based on several factors including total enrollment, location, and venue. Course costs do not include participant travel and per diem expenses. These must be programmed separately by host nations and SCOs.

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| **P175020** | N/A | U | HUMANITARIAN ASSISTANCE RESPONSE TRAINING (HART) | 0.6 | VAR | |

**ECL:** 80 **EIMET:** No

The Center for Excellence in Disaster Management and Humanitarian Assistance (COE) offers a custom-designed workshop course entitled "Humanitarian Assistance Response Training (HART)" exportable on demand to all Security Assistance (SA) eligible countries. The Humanitarian Assistance Response Training (HART) is an introductory course designed to provide military service members and civilian agencies with information about military support to civilian-led international disaster response and humanitarian assistance operations in times of peace and insecurity. Graduates of this course will be better prepared to plan and execute disaster response and humanitarian assistance missions, as prescribed by their commands, in theaters of operations. Course Objectives The key objectives of the course are to provide to participants instruction and technical assistance on: (1) The key responding agencies from the Affected State, Assisting States, Assisting State military forces and the Humanitarian Community, and their respective roles, responsibilities and obligations in international humanitarian assistance and disaster response operations; (2) The fundamental principles followed by the Humanitarian Community in international response operations, including the Principle of Do No Harm, which influences every aspect of their planning and operations; (3) International response coordination principles and mechanisms utilized in international response operations, including Humanitarian Civil-Military Coordination (UN CMCoord) and the Cluster Approach; (4) Identifying who are the populations affected by disaster or humanitarian crises, what are their respective rights and who is responsible for their care, maintenance and protection under International Law; (5) Disaster Management principles and issues, including response, recovery, preparedness and mitigation; and (6) Medical and Public Health issues in humanitarian assistance and disaster response operations. The three-day (24 hour) program emphasizes an understanding of the major responders, lessons learned from previous disaster response and humanitarian crisis emergencies, key public health issues, issues relating to the care and protection of refugees and internally displaced persons, International Humanitarian, Human Rights, Disaster Response and Refugee Law, security issues, civil-military coordination of operations, and measures of effectiveness as the primary topics, practiced in a table top exercise during the course. COE's instruction will be consistent with graduate-level professional programs. The course is designed to be an intensive, focused-learning experience. Once students complete this course, they will be familiar with UN, regional, multi-national and humanitarian interagency coordination, public health, security and disaster management. This course is designed for personnel serving in leadership positions of military commands or civilian organizations that plan and execute Disaster Response, Humanitarian Assistance and/or Peace Support operations, or develop and implement such policy, or conduct educational/training programs in support of these operations. At the end of this course, the students will be better prepared for participation in disaster response and humanitarian crisis emergencies in a multi-national, coalition or United Nations environment. Participating officers will understand the importance of established and emerging international methods of operation and coordination. Moreover, participants will understand how to adapt these procedures and arrangements to meet changing operational requirements. Faculty teams COE task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. However, as a general rule, COE faculty teams are relatively small (two to four individuals) consisting of proven civilian and military subject-matter experts.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course can be delivered with simultaneous interpretation into the target language as provided by the requesting agency. An English Comprehension Level (ECL) score of 80 is required. Cost The cost of the course is based on enrollment (plus travel and per diem expenses or translation services if requested.).

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175021** | P TAC 5G 1303 | U | PROFESSIONAL DEVELOPMENT OFF-SITE TRAINING COURSE | 0.6 | VAR | |

**ECL:** 70 **EIMET:** No

To increase knowledge and skills of Chaplains and Religious Program Specialists (RPs). The training goal is to provide training to Chaplains and RPs as it relates to improving our pastoral care capabilities and strengthening US partnerships with other key organizations that support the resilience and readiness of the force. There are 7 area objectives to be addressed: (1) Pastoral care as core chaplain capability (2) Nature and Scope of pastoral care in sea services; (3) formulate programs to improve pastoral care capabilities to support & strengthen readiness and resiliencey in dealing with prolonged combat; (4) Formulate program of care to improve pastoral care capabilities in various areas; (5) spiritual readiness continuum; (6) Formulate plans for strengthening partnerships w/key organizations that support resilience and readiness of the force; (7) Discuss methods by which a chaplain advises chain of command on care (formal/informal).

**PRE-REQUISITE:**

**COURSE NOTES:** Grades of E-6 and above may attend.

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| **P175022** | N/A | U | CHAIRSIDE CAD/CAM | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 70 **EIMET:** No

To provide Restorative Dentists insight into digital dentistry techniques; explore spectrum of CAD/CAM Restorative Solutions and to review Navy Policy regarding digital dentistry.

**PRE-REQUISITE:** Restricted to Active Duty Practitioners mainly restorative treatment

**COURSE NOTES:** Consists of 1.5 Days of didactic lectures, 2.5 days hands-on trng focusing on image capture and manipulation of S/W concluding w/Live patient treatment. THIS FIRST CLASS CANNOT PROVIDE HANDS-ON 'LIVE PATIENT' ONLY OBSERVERSHIP PORTION"

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| **P175023** | N/A | U | INTRODUCTION TO CEREC AND CAD/CAM DENTISTRY | 0.4 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 70 **EIMET:** No

Participants learn predictable techniques to successfully utilize CEREC and CAD/CAM technology in their practices. Topics include basics of preparation design to optimize imaging and milling, powdering techniques that result in accurate digital impressions, and hands-on time to practice imaging typo-dont and live patients. Modern millable and adhesive materials will be covered in a lecture and practical exercise developed to give general dentists the requisite knowledge and experience to deliver same day inlays, onlays, and crowns. CEREC 3-D AU and AC will be onsite for the hands-on portion of this course, allowing all course participants to image, mill, and polish CAD/CAM all ceramic restorations. Participation in this course is required prior to enrollment in level two or three.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175024** | N/A | U | GLOBAL HEALTH STRATEGIES FOR SECURITY | 2 | PTMD | Bethesda, MD |

**ECL:** 80 **EIMET:** No

This is a graduate-level certificate course, offered through the Center for Disaster and Humanitarian Assistance Medicine/ Department of Military and Emergency Medicine of the Uniformed Services University of the Health Sciences. The objective of the course is to provide participants with the knowledge and skills to develop global health strategies and programs that support the goals of the United States Government (USG) and the President's National Security Strategy. The course will provide understanding of civil and military considerations at the nexus of global health and security, and a whole of government approach to strategies and programs to strengthen health systems and counter transnational health threats. The course consists of a 20-hour pre-course reading and short exercise phase and an 80-hour (10 working days) in-residence phase. Up to 80 hours of Continuing Medical Education credit will be awarded as will a Certificate in Global Health Strategies for Security. This course utilizes a seminar framework to organize the knowledge and skill sets critical to developing effective global health strategies and programs. The in-residence portion of the course builds on the foundation provided by the selected readings and exercises completed during the pre-course phase; building and strengthening technical and analytical skills to understand global health, health systems, and health threats necessary for the design of effective health engagement strategies and programs. Student assessments will be conducted at various phases throughout the course to determine progress in developing knowledge and skills and includes a capstone group project and formal presentation to a senior level audience. Participants must be prepared to allocate the necessary time required to complete the pre-course and in-residence components of the course.

**PRE-REQUISITE:**

**COURSE NOTES:** Online requirement includes: Medical Civil-Military Operations Training.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175025** | N/A | U | BASIC OSSEOINTEGRATION AND DENTAL IMPLANTS | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

Course is designed for Military Dentists with little or no training in the restorative implant experience who desire current info on advances in implant dentistry. Focus will be primarily on the restoration of the single tooth implant. Specific areas to be emphasized include treatment planning concepts, guided tissue regeneration, site preparation with grafting materials and aesthetic single-tooth restorations. Additional emphasis will be placed on follow-up care, to include mgt of complications, routine maintenance and emergency repairs. Where possible, hands-on laboratory experience will be used to augment lecture material.

**PRE-REQUISITE:** Military Dentists with little or no training in the restoration of dental implants. Other Federal agency dentists are accepted on a space-available basis.

**COURSE NOTES:**

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| **P175026** | N/A | U | BASIC OSSEOINTEGRATION AND DENTAL IMPLANTS | 0.8 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 80 **EIMET:** No

Course is designed for Military Dentists with little or no restorative implant experience who desire current info on advances in implant dentistry. Focus will be primarily on the restoration of the single tooth implant. Specific areas to be emphasized include treatment planning concepts, guided tissue regeneration, site preparation with grafting materials and aesthetic single-tooth restorations. Additional emphasis will be placed on follow-up care, to include mgt of complications, routine maintenance and emergency repairs. Where possible, hands-on laboratory experience will be used to augment lecture material.

**PRE-REQUISITE:** Military Dentists with little or no training in the restoration of dental implants

**COURSE NOTES:**

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| **P175027** | B- 6C-1009 | U | PEDIATRIC DENTISTRY & ORTHODONTICS GENERAL DENTIST | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

Course is designed to enhance dentist's knowledge and skills I both Pediatric Dentistry and Orthodontics. One of the major course goals is to update and review diagnosis, treatment planning, and comprehensive and/or emergency dental care for the pediatric and orthodontic patient. Dental officers stationed overseas will find this course to be beneficial due to large variety of family member treatment being done OCONUS. The topics covered from a Pediatric Dentistry perspective include diagnosis, treatment planning, preventive regimens, restorative techniques, pulp therapy, management of trauma, space management and interceptive treatment. Emphasis will be placed on current behavioral management issues and techniques.

**PRE-REQUISITE:** Active duty and Federal Agency Dentists only; non-federal agency dentists if space available.

**COURSE NOTES:**

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| **P175028** | N/A | U | DOCTOR OF PHILOSOPHY (PHD)-MEDICAL ZOOLOGY | 260 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

The Doctor of Medical Zoology degree is designed to provide competency in the theory, research and practice of medical zoology, with emphasis on prevention of vector borne diseases for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military medical zoologists/entomologists. Graduates of this program are uniquely situated for major leadership roles in military entomology. The PhD 5 year program is composed of academic quarters totaling at least 144 academic credits. During this 5 year period, students will engage in an in-depth approach to the study of theory, principles, research, and methods of medical zoology. Students are expected to complete independent thesis projects as parts of the curriculum.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175029** | N/A | U | ENVIRONMENTAL HEALTH SCIENCE (PHD) | 260 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

The PhD in Environmental Health Sciences is designed to provide competency in theory, research and practice of environmental science for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum, including special competencies needed by military environmental science practitioners. Graduates of this program are uniquely situated for major leadership roles in military environmental science. The PhD 5 year program requires students to complete at least 144 academic credit hours. During this 5 year period, students will engage in an in-depth approach to the study of theory, research, and methods of environmental science practice and leadership. Students are expected to complete independent thesis projects as parts of the curriculum.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success.

**COURSE NOTES:**

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| **P175030** | N/A | U | DOCTOR OF PUBLIC HEALTH | 260 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

DOCTOR OF PUBLIC HEALTH Description: The Doctor of Public Health degree is designed to provide competency in advanced practice and leadership of public health for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military public health practitioners and leaders. Graduates of this program are uniquely situated for major leadership roles in public health. The DRPH program. During the years of this program, students will engage in an in-depth approach to the study of principles and methods of public health practice and leadership. Elective concentrations may be taken in several areas, including Epidemiology and Biostatistics, Tropical Public Health, Health Services, Environmental Science, and Global Health. Students are expected to complete at least 144 academic credit hours. Students are expected to engage in public health practicum experiences and to complete independent thesis projects.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success.

**COURSE NOTES:**

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| **P175031** | N/A | U | MASTER SCIENCE IN PUBLIC HLTH-ENVIRON HLTH SCIENCE | 104 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

The Master of Science in Public Health-Environmental Health Sciences is designed to provide competency in practice of environmental public health science for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military environmental science public health practitioners. Graduates of this program are uniquely situated for major leadership roles in military environmental science. The MSPH 2 year program is composed of academic quarters totaling at least 120 quarter credit hours. During this 2 year period, students will engage in an in-depth approach to the study of principles and methods of environmental public health science practice and leadership. Students are expected to engage in public health practicum experiences and to complete independent thesis projects as parts of the curriculum.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success.

**COURSE NOTES:**

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| **P175032** | N/A | U | MASTER OF SCIENCE IN PUBLIC HEALTH-MEDICAL ZOOLOGY | 104 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

The Master of Science in Public Health-Medical Zoology is designed to provide competency in practice of medical zoology, with emphasis on prevention of vector borne diseases for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military medical zoologists/entomologists. Graduates of this program are uniquely situated for major leadership roles in military entomology. The MSPH 2 year program is composed of academic quarters totaling at least 120 quarter credit hours. During this 2 year period, students will engage in an in-depth approach to the study of principles and methods of medical zoology. Students are expected to complete independent thesis projects as parts of the curriculum.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175033** | N/A | U | MASTER OF TROPICAL MEDICINE AND HYGIENE (MTM&H) | 65.6 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

MASTER OF TROPICAL MEDICINE AND HYGIENE (MTM&H) Description: The Master of Tropical Medicine and Hygiene is designed to provide competency in practice of public health and tropical diseases for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military public health practitioners. Graduates of this program are uniquely situated for major leadership roles in tropical public health. To obtain the MTM&H degree students are expected to complete at least 60 academic quarter credit hours. Students will engage in an in-depth approach to the study of principles and methods of tropical medicine and public health practice and leadership. Elective concentrations may be taken in several areas, including Epidemiology and Biostatistics, Tropical Public Health, Health Services, Environmental Science, and Global Health. Students are expected to engage in a supervised, 4-6 week overseas tropical medicine training experience and to complete an independent capstone project as parts of the curriculum.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success. Applicants must have medical doctor degree or equivalent.

**COURSE NOTES:**

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| **P175034** | N/A | U | MASTER IN PUBLIC HEALTH | 104 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

The Masters in Public Health is designed to provide competency in practice of public health for the Military Health System, federal health policy partners and Allied Host Nation personnel. We are committed to leadership in academics, research and scholarship. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military public health practitioners. Graduates of this program are uniquely situated for major leadership roles in public health. The MPH year is composed of 5 academic quarters totaling at least 60 quarter credit hours. During this year, students will engage in an in-depth approach to the study of principles and methods of public health practice and leadership. Elective concentrations may be taken in several areas, including Epidemiology and Biostatistics, Tropical Public Health, Health Services, Environmental Science, and Global Health. Students are expected to engage in public health practicum experiences and to complete independent capstone projects as parts of the curriculum.

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of undergraduate and/or graduate preparation, standardized test scores (GRE or GMAT), letters of recommendation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success.

**COURSE NOTES:**

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| **P175035** | N/A | U | COMPREHENSIVE MANAGEMENT OF APPREHENSIVE PATIENT | 0.6 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 80 **EIMET:** No

Dental Anesthesia and minimal oral sedation that will enable the general dentist to predictably employ these methods and techniques in their daily practice. Techniques and methods of oral sedation will be covered in detail to allow the general dentist to select the appropriate dose and delivery of modern day anxiolytic agents. Additional topics include acupuncture in dentistry, management of dental office emergencies, and buffering of local anesthetics for increased efficacy.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175036** | N/A | U | TRAUMA TRAINING FOR INTERNATIONAL MEDICAL FORCES | 1 | PLAC | Los Angeles, CA 91001 |

**ECL:** 75 **EIMET:** No

The purpose of this course is to provide a platform for enhancing trauma knowledge and skill training and exchange for trauma teams (trauma surgeons, anesthesia providers, nurses and technicians). Due to licensure regulatory restrictions, the course will not involve direct hands-on patient care with live patients. Rather, the course provides participants with evidence-based didactics on principles of damage control surgery, team training focusing on leadership skills and decision making, battlefield trauma resuscitation to include blood and fluid therapy, and mass casualty situations. For non-surgeons, catered didactics include updates in critical care and anesthesia principles in trauma. Task trainers, team-centered combat simulation exercises and hands-on experience in the fresh tissue dissection lab reinforce didactic principles. The use of a perfused cadaver model realistically mimics the presentation and response of the combat wounded trauma patient and is ideal when reviewing the principles of airway control, vascular access as well as step-wise approaches for vascular injuries and damage control, mediastinal and neck dissection, fasciotomies, thoracotomy, trauma exploratory laparotomy and damage control procedures. Discussions of current trauma cases during daily trauma and teaching rounds reinforce the learning.

**PRE-REQUISITE:** NTTC REQUIRES SIX (6) TO EIGHT (8) WEEKS NOTICE OF APPROVED INTERNATIONAL ATTENDEES IN ORDER TO PREPARE COURSE MATERIEL AND COORDINATE STUDENT ACTIVITIES WITH LOS ANGELES COUNTY-UNIV OF SOUTHERN CALIFORNIA MEDICAL AUTHORITIES.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175037** | B- 6A-1013 | U | NAVY TRAUMA TRAINING CENTER (NTTC) PROGRAM | 4 | PLAC | Los Angeles, CA 91001 |

**ECL:** 75 **EIMET:** No

To enhance combat trauma skills and medical readiness for Fleet Surgical Teams (FST), Forward Resuscitation Surgery Systems (FRSS), Shock Trauma Platoons (STP) and others deployed to treat trauma casualties. In addition, operational combat casualty care and team building are emphasized in order to prepare the member for deployment. Experience is gained from training at LAC-USC Medical Center, one of the nation's finest level 1 trauma treatment centers.

**PRE-REQUISITE:** 1. Complete and return credentialing package 60 days prior to class convene. 2. Have two (2) PPD within 6 months prior to class convene and cannot expire during class. Those with reactive PPDs or converters must submit results of chest x-ray taken within last 6 months. 3. Tetanus must be within last 10 years. 4. Titers are required for rubeola, rubella, varicella and Hepatitis B (core and surface antigen antibody titer). All titers must be reactive or positive or must have repeat vaccination within the last 5 years. 5. Applicants over 35 years of age must submit a baseline ECG taken within the last 5 years. OTHER: Highly recommended that Hospital Corpsmen have previous Emergency Medical Technician - Basic (EMT-B) training or a Pre-Hospital Trauma Life Support (PHTLS) course. Medical Corps (MC) Officers are required to hold a valid license in one of the 50 states (or US or Canadian territories); a current Advanced Trauma Life Support (ATLS) card; and highly recommend a current Advanced Cardiac Life Support (ACLS) card. Nurse Corps (NC) Officers are required to hold a valid license in one of the 50 states (or US or Canadian territories) ; a current Trauma Nurse Corps Course (TNCC) card; highly recommend a current Advanced Cardiac Life Support (ACLS) card. Physicians Assistants (PA/MSC) are required to hold a valid license in one of the 50 states (or US or Canadian territories); recommend a current Basic Trauma Life Support (BTLS) or ATLS Auditor card; highly recommend Advanced Cardiac Life Support (ACLS) card.

**COURSE NOTES:**

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| **P175038** | N/A | U | TRNG TROPICAL MED & TRAVELERS HEALTH (USU-ASTMH) | 12.4 | PTMD | Bethesda, MD |

**ECL:** 70 **EIMET:** No

The Training in Tropical Medicine and Travelers' Health curriculum is designed to provide competency in practice of public health and clinical management of tropical diseases for the Military Health System, federal health policy partners and Allied Host Nation personnel. All major parasitic, bacterial, fungal, and viral diseases found in the tropics will be presented, focusing on the etiologic agent, the role of malnutrition and immune deficiency, and the symptom complex. Prevention, diagnosis, treatment, and control of diseases will be covered. This program includes a course on the public health approach to disaster response. Our faculty provides an innovative approach to graduate education offering a broad-based curriculum in public health, including special competencies needed by military public health practitioners. Graduates of this program are uniquely qualified to provide medical care and shape public health policy and leadership in the field of Tropical Medicine and Global Health. This course has been certified by the American Society of Tropical Medicine and Hygiene (ASTMH) as fulfilling the didactic requirements to sit for the Society's qualifying examination for the Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health (CTropMed®)

**PRE-REQUISITE:** Selection criteria include, but are not limited to, past academic performance, rigor of graduate preparation, letter of intent (writing sample), professional experience, fit with the program, and any additional evidence of potential academic success. Applicants must have medical doctor degree or equivalent.

**COURSE NOTES:**

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| **P175039** | N/A | U | FORENSIC DENTISTRY | 0.6 | PDEN | San Diego, CA 92134 |

**ECL:** 80 **EIMET:** No

The primary focus of this training is forensic odontology/dentistry provided through lectures and hands-on workshops. The purpose of the training is to expose dentists and dental residents with no or minimal forensic experience to mass disaster management and the dental identification process. The training sessions are designed for 16 hours of lecture and 14 hours of hands-on workshops to include a dental radiograph comparison laboratory, a skeletal analysis exercise, an age-determination workshop, and a mass disaster management laboratory. Topics will include the basics of forensic pathology, crime scene investigation, DNA analysis, anthropologic assessment of human remains, and an introduction to the use of computer based forensic identification/comparison software. At the completion of this training, participants should have a basic understanding of the principles of forensic odontology/dentistry and be able to perform forensic dental identifications of human remains in support of legal death investigations. They should be able to participate on and be an asset to an identification team to support local contingencies. Anticipated Learning Outcomes « Review the history and role of forensic dentistry in military and civilian settings. « Recognize the role of forensic dentistry as it relates to forensic pathology, the medical examiner¡¦s office, and crime scene investigation. « Recognize the role of forensic dentistry as it relates to DNA analysis. « Critically evaluate antemortem and postmortem radiographic evidence in making positive dental identifications. « Understand indications for the use of computer based forensic identification software. « Recognize and review tooth development/tooth eruption timetables to properly provide age assessment estimates. „« Perform hands-on dental identification of human remains in a mass disaster scenario.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175041** | B- 6C-1017 | U | GENERAL DENTISTRY TREATMENT PLANNING | 0.8 | PHSP | Bethesda, MD 20889-5602 |

**ECL:** 70 **EIMET:** No

To update skills directed at the general dentist. SCOPE: Recent changes in the Navy Dental Corps with the advent of phased dentistry and greater opportunity for independent practice are driving a need for general dentists to become more proficient in treatment planning skills. This innovative 4-day course links the dental specialties in a multidisciplinary approach to treatment planning concept and practices. The course is divided into two parts. The first part reviews current preventive, risk assessment, diagnostic, and restorative techniques and materials and their impact on the treatment planning process. The second part allows groups of participants to develop and present for group discussion treatment plans based on risk assessment for selected cases requiring a multidisciplinary approach.

**PRE-REQUISITE:**

**COURSE NOTES:** GENERAL DENTISTRY TREATMENT PLANNING International Note(s): Please visit our website: http://www.Bethesda.med.navy.mil/careers/Postgradute%5FDental%5FSchool/continuing_education/index.aspx All requests for enrollment must be made through the Naval Postgraduate Dental School's continuing education office. Most courses have specific enrollment restrictions and/or quota limitations. To determine enrollment eligibility, refer to the Continuing Education Brochure or contact the continuing education office. Enrollment for non-federal agency dentists is extremely limited and will be considered on a space available basis only. Applications for enrollment can be made through any of the following: phone DSN 295-0206 or 301-295-0206; fax DSN 295-5473 or 301-295-5473; email alleahy@Bethesda.med.navy.mil. Written requests to: Naval Postgraduate Dental School (Code NPDS B11), National Naval Medical Center, 88901 Wisconsin Ave., Bethesda MD 20889-5602.

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| **P1750BS** | N/A | U | OBS MEDICAL OFF | 0 | VAR | |

**ECL:** 80 **EIMET:** No

To provide selected medical personnel with initial and refresher training on new and existing medical procedures under the direction of qualified medical Doctors. This observership updates skills and provides medical personnel knowledge required to more effectively perform their jobs.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175201** | B-300-0019 | U | INDEPENDENT DUTY CORPSMAN SURFACE FORCE (IDC/SUR) | 54 | PSWM | San Diego, CA 92134 |

**ECL:** 70 **EIMET:** No

To provide training in advanced patient care and medical administrative and logistical duties in order to function independent of a medical officer in the operating forces and various isolated shore activities of the Navy and Marine Corps. SCOPE: Provides instruction in Anatomy and Physiology; Physical Diagnosis; Clinical Lab; Pharmacy; Chemical, Biological, and Nuclear Medicine; Preventive Medicine; Supply; Food Service Sanitation; Substance Abuse; Medical Department Responsibilities; Medical Diagnosis and Treatment; Pest Control; Naval and Shipboard Organization; Management of Medical/Surgical Emergency Dental Conditions; Navy Occupational Safety and Health (NAVOSH); Advanced Cardiac Life Support (ACLS); Tactical Combat Casualty Care (TCCC); Maintenance Material Management (3M); Basic Life Support (BLS) Instructor.

**PRE-REQUISITE:** (A) Experience/Eligibility: [1] A minimum of four years active duty and four years working in a health care related occupation/field. No rank or rate requirement for international students except that they must be currently serving in a health care related occupation within the military. *US Navy requirement: Enlisted Paygrade Rank: E5-E7 / Rate: Hospital Corpsman [2] Basic Life Support (BLS) certified or similar course highly recommended. [3] See section [1] above. [4] Course length and exposure to potential health hazards restrict pregnant service members from eligibility. [5] Candidates shall not have a record of conviction by any court-martial or non-judicial punishment (NJP) during the 18 months preceding assignment to school. [6] Candidates must report for training, within weight standards of their respective service, be physically fit and have passed their most recent physical fitness test as required. (B) Application requirements: [1] Medical History and Physical Examination. Member must be evaluated by a medical provider and the findings documented on a standard medical history and physical examination report (see para © section [5] for links to standard DoD forms 2708-1, Report of Medical History/and 2808, Report of Medical Examination). Any change in health status from the time of screening to transfer date requires reevaluation and clearance by a health care provider. [2] Letter of recommendation. Letter of recommendation with an interview from a military Health Care Provider (i.e. Physician, Nurse Practitioner, or Physician Assistant) specifically addressing applicant's clinical experience and ability to make sound clinical judgments is required. [3] Commanding Officer Endorsement. Commanding Officers are responsible to verify all information. The Commanding Officer's endorsement must address the candidate's technical or professional competence, demonstrated or potential leadership ability, general attitudes and motivation, and assessment of worldwide assignability. [4] Certificate of Personnel Security Investigation, Clearance and Access. (US Department of State manages security clearances for foreign national students). (1) Course material is UNCLASSIFIED. (2) Minimum security clearance requirement for the SFIDC course: Certified copy of Joint Personnel Adjudication System (JPAS) record confirming valid security clearance of National Agency Check with Law and Credit (NACLC) with SECRET eligibility or letter from Security Manager confirming pending upgrade/renewal for NACLC investigation with SECRET eligibility. (3) Public Trust investigations with FAVORABLE eligibility do not meet the requirement for system access - upgrade for clearance eligibility will need to be initiated before member attends course. [5] Statement of Purpose/Intent. A brief summary explaining the host nations purpose/desired outcome for candidate attending the Surface Force Independent Duty Corpsman Program. [6] Certifications. Copy of certification, license or transcripts related to current military health care occupation. [7] FEDEX / MAIL application package to: Surface Warfare Medical Institute (SWMI) 34101 Farenholt Ave, Building 14 San Diego, CA 92134-5219 ATTN: IDC Program Director Or FAX application to 619-532-8251 © Other: [1] It is highly recommended that a rental car is reserved for each student due to course length and variability of training sites during clinical rotations. [2] Recommend student arrives one week prior to course convene date to establish a residence, identification card, base access and familiarization with local area and schoolhouse. Assistance will be provided by the local International Military Training Office. (SWMI Admin department phone number: DSN: 522-7968 COMM: 619-532-7968) [3] Students are required to bring a full set of uniforms (work and dress) and military physical training (PT) gear. [4] Please copy and past the following link as a resource to prepare for school. Http://www.med.navy.mil/sites/nmotc/swmi/Pages/IndependentDutyCorpsman.aspx [5] Standard Department of Defense Medical History and Physical Examination form links: (1) DD-2807-1 Report of Medical History: http://www.sta-21.navy.mil/forms_fy03/dd2807-1.pdf (2) DD-2808 Report of Medical Examination: http://www.ndc.noaa.gov/pdfs/dd2808.pdf ****Please include this checklist as Page 1 of Student Application Package.****

**COURSE NOTES:** Minimum report date is one week prior to class convene. Additional lead time is encouraged in order to acclimate, procure housing and transportation, and tend to administrative activities prior to beginning the course. Please contact the Training Support Center, International Military Student Officer at 619-556-8337 or 619-532-5857 for additional information.

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| **P175203** | B- 6C-1014 | U | DENTAL-ENDODONTICS | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

To update skills directed at the general dentist.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175204** | B- 6C-1025 | U | PROSTHODONTICS | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

To update skills directed at the general dentist. Scope: A 5-day course in prosthodontics designed for the general practitioner. The course will cover a broad spectrum of treatment, from basic concepts to more advanced procedures and treatment. Throughout the course, diagnosis and treatment planning will be emphasized. Current treatment modalities and materials pertinent to prosthodontics will also be presented.

**PRE-REQUISITE:** Maximum continuing education credit-35 hours.

**COURSE NOTES:**

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| **P175206** | B- 6C-1021 | U | ORAL MED, ORAL RAD AND PHARMACOLOGY | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

This course will enhance skills essential for the collection of diagnostic data in a systematic, logical fashion. Special emphasis will be placed on obtaining medical and dental histories, vital signs, review of organ systems, physical diagnoses, the head and neck examin-ation, laboratory studies, the indications for and limitations of radiographic evaluations, definitive or differential diagnoses of oral lesions, and the dental management of selected medically compromised patients. Additional time will be added to present the fundamental principles of proper radiographic technique, as well as a meaningful approach to radiographic interpretation.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175207** | B- 6C-0014 | U | OROFACIAL PAIN | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

This advanced course will provide clinicians with practical guidelines for the initial evaluation and non-surgical managements of patients with temporomandibular disorders (TMDs) and orofacial pain.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175225** | B- 6C-1023 | U | ORAL/MAXILLOFACIAL SURGERY | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

This course will update the general practitioner s knowledge of exodontia and minor oral surgery procedures, and provide an understanding of recent advances in major oral and maxillofacial surgery in the areas of trauma, preprosthetic osseointegration and orthognathic surgery.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P175307** | B- 6A-2100 | U | FLIGHT SURGEON ACADEMIC | 26 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

THIS COURSE IS A PREREQUISITE FOR P175309 **PART OF THE "STUDENT FLIGHT SURGEON CRS" AND WHICH IS A PREREQUISITE FOR "THE AEROSPECE MEDICAL RESIDENCY CRS" - P175309 To provide training leading to designation as a Naval Flight Surgeon. Students develop professional competency in aerospace physiology and medicine, human factors in aviation, aviation safety, mishap investigation, occupational health and preventive medicine. Traditional clinical medicine specialties including internal medicine, ophthalmology, otorhinolaryngology and psychiatry are taught in the context of the aviation environment so that students learn the appropriate disposition for aviators and aircrew with medical problems. Flight training gives the student first hand experience in the stresses of the aviation environment. SCOPE: The course consist of three phases which are academics, aviation pre-flight indoctrination and primary flight training. The academic phase is subdivided into administrative, environmental physiology, operational medicine, and clinical medicine units. Physiology qualifications, water and land survival training, physical readiness testing and ground school subjects are completed in the pre-flight phase.

**PRE-REQUISITE:**

**COURSE NOTES:** ACTUAL FLIGHT PORTION IS PROGRAMMED UNDER P119024.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175309** | N/A | U | AEROSPACE MED RESIDENCY | 104 | PAMI | Pensacola, FL 32508 |

**ECL:** 80 **EIMET:** No

This is a one year program of practical applications of preventive medicine principles in aerospace settings. It consists of clinical rotations in aerospace ophthalmology, otolaryngology, internal medicine, psychiatry, physical qualifications, physiology, and advanced aeromedical human factors and flight training. Other courses and rotations are also required, many of which are conducted at other locations: Clinical aerospace medicine, Aviation Safety Officer Course, Space medicine, Electives/Research (1 required project or paper), Global medicine, FAA basic AME course, Advanced Clinical Concepts in Aeromedical Evacuation, Global Patient Movement (TRANSCOM), centrifuge training, and the Aerospace Medical Association annual scientific meeting. An optional, unaccredited second practicum year offers the resident additional in-depth exposure to the clinical specialty services at the Institute or affiliated clinical institutions, humanitarian and disaster health service support, and leadership training operational health service support.

**PRE-REQUISITE:**

**COURSE NOTES:** NOTE: TRAVEL EXPENSES ASSOCIATED WITH THE RESIDENCY PROGRAM ARE BORNE BY STUDENT OR HIS/HER HOME COUNTRY. AN ESTIMATE OF THESE COSTS CAN BE OBTAINED BY CONTACTING NOMI (ATTN: IMSO), 220 HOVEY ROAD, Pensacola, FL 32508-1047 OR VIA EMAIL - JAMES.SEALE@MED.NAVY.MIL NOTE: THE PRE-REQUISITE FOR THE "AEROSPACE MEDICAL RESIDENCY" COURSE IS THE "STUDENT FLIGHT SURGEON" COURSE WHICH INCLUDES: P175307 - FLIGHT SURGEON ACADEMIC; P119301 - AVTRA PREFLIGHT INDOC; AND P119024 - AVTRA FLT SURGEON T34. THIS PRE-REQUISITE IS WAIVERABLE FOR EQUIVALENT EXPERIENCE.

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| **P175310** | B- 6A-1000 | U | CMDR AMPHIB TASK/F SURGEON | 2 | PSWM | San Diego, CA 92134 |

**ECL:** 80 **EIMET:** No

To provide experienced Medical Officers with an opportunity to develop the skills required for service as the Senior Medical Advisor to the Commander Amphibious Task Force (CATF). Consists of training in the design of an amphibious operation and its associated medical logistics, an overview of the medical aspects of operations other than war, and a current brief on geopolitical and medical intelligence. Graduates will be able to serve effectively as CATF Surgeons with a thorough understanding of the medical aspects of an amphibious operation.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175503** | A- 6A-0010 | U | MEDICAL DEPARTMENT DIVING OFFICER (MDO) | 9 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

This course is an integral part of the Naval Undersea Medical Officer course (A-6A-2200). The course provides training necessary to support fleet diving operations, diagnose and treat diving related illness/injury, support hyperbaric chamber operations, and evaluate fitness for diving duty. The course as designed will provide recompression chamber, Open Circuit SCUBA, and Surface Supplied Diving qualifications. The course provides training in diving physics and medicine, decompression procedures, SCUBA diving operations, and Surface Supplied Air and Mixed Gas diving operations. Open to Medical Officers and Physician Assistants (PAs) providing operational support.

**PRE-REQUISITE:** MEDICAL DEPARTMENT DIVING OFFICER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** 1) Attendance at NITC Dive Prep (MASL: PREPDIV) is mandatory for all students prior to training at NDSTC. 2) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. Students cannot be pregnant. The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. A copy of the forwarding letter shall be provided to NETSAFA. All medical requirements must be completed prior to arrival at the course site. 3) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required. 4) Students must have a physiological and psychological screening test before attending this course of instruction. 5) Prerequisites must be completed prior to arrival at course site. Physical and medical requirements for this course can be found in the NDSTC IMS Handbook located online: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:** MEDICAL DEPARTMENT DIVING OFFICER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** This course is considered "high-risk" IAW NETCINST 1500.1 series and OPNAVINST 1500.75 series which state that when a student in a voluntary high-risk training course (as identified in the Catalog of Navy Training Courses-CANTRAC) desires to quit or drop on request "DOR", he/she need only make such intentions known. Training ceases immediately and the student is expeditiously removed from the training area. When a pipeline, or a portion of a pipeline, requires an IMS to meet specific physical standards, is physically demanding, or physical training is part of the curriculum, the IMS will be required to participate in physical fitness training. Students attending English Language Training at Defense Language Institute (DLI) with follow-on training in these courses will also participate in mandatory physical training as part of their DLI course. The individual ITO must be endorsed (Special Remarks Section) "Mandatory physical training is required. Refusal to participate shall result in dismissal." Beards are not permitted to be worn in any diver training course due to requirement for facial seal using diving and recompression equipment. All students should report at least one working day prior to the convening date for administrative processing. All students, upon arrival, must have with them both medical and dental records. All students must be prepared to participate in daily strenuous exercise for approximately one hour; this includes three mile runs, 1000 yard swims, and numerous calisthenics. STUDENTS WILL NEED TO BRING A PAIR OF GOOD QUALITY RUNNING SHOES AND A PAIR OF STEEL TOED BOOTS. For more information, refer to the Naval Diving and Salvage Training Center website: http://www.netc.navy.mil/centers/ceneoddive/ndstc/ Students must be able to pass the physical screening test on Day 2 of training IAW MILPERSMAN 1220-100 and 1220-410. The physical fitness standards are as follows: 500 yd swim utilizing the side or breast stroke/ Not to exceed 14 min, 10 min rest, Maximum push-ups in 02 min (42 pushups minimum), 02 min rest, Maximum curl-ups in 02 min (50 curlups minimum), 02 min rest, Maximum pull-ups in 02 min (6 pullups minimum), 10 min rest, 1.5 mile run / Not to exceed 12 min 45 sec.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175520** | A-431-0076 | U | AMPHIB RECON CORPSMAN | 5.4 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

The Amphibious Reconnaissance Corpsman Course (ARC) is designed to provide Fleet Marine Force Corpsman, NEC 8404, with the basic instruction and training in effectively identifying diving casualties and performing medical functions as a recompression chamber inside tender. The course will also provide refresher training to qualified Marine Combatant Divers and Corpsman holding the NECs 8427/8403, 8492/8491, 8493/8494 on diving medicine, principles of operation for chambers, and inside tender responsibilities in accordance with the U.S. Navy Diving Manual. SCOPE: The ARC Course includes training in the following areas: Familiarization with anatomy and physiology of the ears, respiratory, and circulatory systems; familiarization of diving disorders for barotraumas, vertigo, pulmonary over inflation syndromes, and decompression sickness; familiarization and performance of neurological examinations; familiarization of treatment tables; diagnosis and treatment of diving related accidents and injuries; familiarization and operation of recompression chambers; familiarization with emergency procedures as inside tender during recompression chamber operations.

**PRE-REQUISITE:** AMPHI RECON CORPSMAN ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** (1) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. Students cannot be pregnant. The medical examination forms MUST be accompanied by the actual reports (translated into English if necessary) for all required testing (laboratory tests, chest X-ray and electrocardiogram). A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. A copy of the forwarding letter shall be provided to NETSAFA. All medical requirements must be completed prior to arrival at the course site. (2) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required. (3) Students must have a physiological and psychological screening test before attending this course of instruction. (4) Prerequisites must be completed prior to arrival at course site. Physical and medical requirements for this course can be found in the NDSTC IMS Handbook located on line: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:** AMPHIB RECON CORPSMAN ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** International Note(s): This course is considered "high-risk" IAW NETCINST 1500.1 series and OPNAVINST 1500.75 series which state that when a student in a voluntary high-risk training course (as identified in the Catalog of Navy Training Courses-CANTRAC) desires to quit or drop on request "DOR", he/she need only make such intentions known. Training ceases immediately and the student is expeditiously removed from the training area. When a pipeline, or a portion of a pipeline, requires an IMS to meet specific physical standards, is physically demanding, or physical training is part of the curriculum, the IMS will be required to participate in physical fitness training. Students attending English Language Training at Defense Language Institute (DLI) with follow-on training in these courses will also participate in mandatory physical training as part of their DLI course. The individual ITO must be endorsed (Special Remarks Section) "Mandatory physical training is required. Refusal to participate shall result in dismissal." Beards are not permitted to be worn in any diver training course due to requirement for facial seal using diving and recompression equipment. All students should report at least one working day prior to the convening date for administrative processing. All students, upon arrival, must have with them both medical and dental records. All students must be prepared to participate in daily strenuous exercise for approximately one hour; this includes three mile runs, 1000 yard swims, and numerous calisthenics. STUDENTS WILL NEED TO BRING A PAIR OF GOOD QUALITY RUNNING SHOES AND A PAIR OF STEEL TOED BOOTS. For more information, refer to the Naval Diving and Salvage Training Center website: http://www.netc.navy.mil/centers/ceneoddive/ndstc/ Students must be able to pass the physical screening test on Day 2 of training IAW MILPERSMAN 1220-100 and 1220-410. The physical fitness standards are as follows: 500 yd swim utilizing the side or breast stroke/ Not to exceed 14 min., 10 min rest, Maximum push-ups in 02 min (42 pushups minimum), 02 min rest, Maximum curl-ups in 02 min (50 curlups minimum), 02 min rest, Maximum pull-ups in 02 min (6 pullups minimum), 10 min rest, 1.5 mile run / Not to exceed 12 min 45 sec.

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| **P175572** | B-300-0013 | U | FIELD MEDICAL SERVICE TECHNICIAN M03M6D3 | 8 | PMSL | Camp Lejeune, NC 28542 |

**ECL:** 70 **EIMET:** No

The Field Medical Service Technician course provides training to Navy Hospital Corpsmen in skills essential for field casualty treatment and management in accordance with Tactical Combat Casualty Care guidelines and familiarization with combat survival skills required for duty with Marine Corps operating forces. This course will provide the fundamental knowledge and skills of Tactical Combat Casualty Care (TCCC) to include Care Under Fire, Tactical Field Care, and Tactical Evacuation. Emphasis is on the identification, treatment, and evacuation of combat trauma casualties in accordance with the guidelines set forth by the Committee on Tactical Combat Casualty Care. Also included are the military skills necessary to function and survive in a combat environment. Training includes the establishment and functions of the unit aid station, field sanitation and preventive medicine, medicine in a field environment, and CBRN defense medical requirements. Additionally, an understanding of general military subjects such as individual and small unit tactics, military drill, weapons familiarization to include field stripping, cleaning, assembling and firing of the applicable weapons, and physical training/conditioning.

**PRE-REQUISITE:** Must be a graduate of the Hospital Corpsman Class "A" School or equivalent.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175627** | B- 6A-1501 | U | MIL TROP MED (MTM) PH 1 | 4 | PHSB | Bethesda, MD 20889-5611 |

**ECL:** 70 **EIMET:** No

Tri-service course provides specialized training in aspects of medicine unique to tropical areas for physicians in tropical operational assignments. Designated CME as Category 1 of the Physician s Recognition Award of the American Medical Association. Scope: Provides a broad range of topics in Infectious Disease and Tropical Medicine, lectures are from world renowned experts. Laboratories are equally comprehensive and include practical experience in visualizing various parasites, bacteria, and arthropods of medical importance. Whenever possible, live specimens are used and hands-on training is emphasized.

**PRE-REQUISITE:** Medical Corps officers in operational billets, Infectious Disease Fellows, Preventive Medicine and Dermatology Residents, as well as GMOs, Diving Medical Officers, Flight Surgeons and Primary Care Physicians and Residents assigned overseas.

**COURSE NOTES:** Applicants should consult the NSHS Bethesda web address http://www-nshs.med.navy.mil/ professionalprograms for specific eligibility requirements and applications procedures.

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| **P175628** | B- 6A-1502 | U | MIL TROP MED (MTM) PH 2 | 2 | PHSB | Bethesda, MD 20889-5611 |

**ECL:** 70 **EIMET:** No

Selected individuals from MTM Phase 1 participate in a field mission conducted in Bolivia, Brazil, Dominican Republic or Peru. Scope: Includes one week of seeing patients on various services in hospitals to gain exposure to health care systems in developing world. Second week of field medicine where team will set up a series of clinics in remote, medically underserved regions of the host country. Prerequisites: Complete CIN B-6A-1501 (MASL P175627), MTM Phase 1. Medical Corps officers in operational billets, Infectious Disease Fellows, Preventive Medicine and Dermatology Residents, as well as GMOs, Diving Medical Officers, Flight Surgeons and Primary Care Physicians and Resident assigned overseas. Applicants should consult the NSHS Bethesda web address http://www-nshs.med.navy.mil/professionalprograms for specific eligibility requirements and application procedures.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175655** | B- 6C-1006 | U | OROFACIAL PAIN | 0.8 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 80 **EIMET:** No

It will clarify the relationship between TMJ mechanics, jaw movement, occlusal schemes, and the functional needs of the patients. Scope: Clinically oriented discussions and laboratory exercises will focus on the application of occlusal concepts, principles of articulation, recording and transferring hingeaxis and interocclusal records, manipulation of semiadjustable articulators.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175656** | B- 6C-1020 | U | OPERATIVE DENTISTRY | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

Anadvanced Operative Dentistry course updates the general practitioner in the clinical application of modern restorative materials and esthetic dentistry treatment considerations. Among the subjects covered are risk assessment in restorative dentistry, preventive restorative concepts, bases, liners, and cements; tooth-colored restorative materials; visible light-curing units; complex amalgram alloy restorations; estethic contouring; vital bleaching; direct/indirect veneers; periodontal restorative interrelationships; and posterior esthetic restorations. Assuming a basis of at least 3 years general dentistry practice, the course presents new developments in restorative materials and their clinical applications. A preventive, conservative, and integrated disciplinary approach to restorative dentistry is stressed.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P175660** | B- 6C-1007 | U | OPERATIVE DENTISTRY | 0.6 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 80 **EIMET:** No

Emphasizes dental carries as a disease process - its epidemiology, reversibility, and conservative treatment. Subjects are topically applied anticarry agents such as fluorides, chlorhexidine, and pit and fissure sealants; conservative cavity prevention techniques; the restoration of badly broken-down teeth; the restoration of endodontically treated teeth; and the relationship between restorative dentistry and the healthy periodontium. New development in restorative materials is presented,along with clinical criteria for their selection and use. Restorative application of eletrosurgery is discussed. A hands-on laboratory is provided with the products discussed.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175661** | B- 6C-1001 | U | PROSTHODONTICS | 0.6 | PDCD | San Diego, CA 92136-5596 |

**ECL:** 90 **EIMET:** No

The purpose of this training is to help board eligible candidates prepare for comprehensive oral exam by reviewing all areas of oral medicine. Scope: Case histories will be presented for oral medicine and candidates will answer questions about patient management and recommended treatment modalities. On pharmacology, candidates will be examined on modes of action of drugs and their interaction. Radiology will be presented by having candidates make differential diagnosis from radiograph and discuss accepted standards of radiation technique and safety. Prosthodontics (Removable) course is taught in even years; (Fixed) is taught odd years.

**PRE-REQUISITE:** Federal Agency dentists with formal residency or fellowship training in prosthodontics or those officers with significant prosthodontic experience. (One week before class begins, civilians may telephone and check the enrollment status.)

**COURSE NOTES:** Prosthodontics (Removable) course is taught in even years; (Fixed) is taught odd years. "

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| **P175674** | B- 6C-1010 | U | PERIODONTICS | 1 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

This course will provide current, practical information that will enhance the practicing dentist s familiarity and treatment options with the dental care of the periodontal patient. Presentations on state-of-the-art periodontics will be addressed to general practitioners and specialists involved in the prevention and treatment of the acute and chronic periodontal diseases. This course will cover such topics as the peridontium in health and disease; diagnosis, prognosis, and treatment planning; osseointegrated dental implants; principles of periodontal surgery; management of osseous defects; soft tissue surgery; chemotherapeutics; early onset periodontitis; periodontal maintenance; the interrelationship of periodontics with restorative dentistry and endodontics; and variety of the most current aspects of periodontal treatment. A laboratory exercise on periodontal surgery will also be offered.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P175677** | B- 6C-2000 | U | PAIN CONTROL AND NITROUS OXIDE ANXIOLYSIS | 0.8 | PDCB | Bethesda, MD 20889-5602 |

**ECL:** 80 **EIMET:** No

This 4-day course is designed for the active duty member to qualify for privileges to use nitrous oxide and oxygen sedation. To enhance participants understanding of the role of sedation emphasis will be placed on understanding the nature of pain and anxiety. Participants will have the opportunity to meet actual chronic pain patients who will discuss their pain experiences. The physiologic signs and effects of pain and anxiety, the behavioral effects and complicating factors will be investigated. Alternate pharmacological and psychological modes of pain and anxiety management will be reviewed. Following the ADA guidelines for the teaching of conscious sedation, the participants will review the spectrum of sedation and respiratory anatomy and physiology. With a sound background in pharmacology and indications/contraindications and management of complications, the participants will gain hands-on experience using nitrous oxide and oxygen. The safety of the working environment will be stressed.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P175801** | N/A | U | EMERGENCY WAR SURGERY | 1 | PCDV | San Diego, CA 92134 |

**ECL:** 80 **EIMET:** No

Describe the common patterns of battlefield injuries and be familiar with their surgical management -- Discuss a variety of battle damage control techniques -- Define the concept of forward resusitative measures in the management of battlefield casualties and evacuation--Perform basic emergency opthalmologic, orthopedic and neurosurgical procedures through "hands-on" instruction by surgical specialists in a cadaveric lab. --Demonstrate expertise in performing an exploratory laparotomy for trauma through a variety of simulated injuries in the pig lab.--Demonstrate the principles of ultrasound techniques in a combat trauma patients using didactics and simulation lab.--Demonstrate ability to manage multiple battlefield casualties in a simulated mass casualty exercise.

**PRE-REQUISITE:**

**COURSE NOTES:** Course Locations: OFC, Bldg. 6, Room 2 NMCSD Cadaver Lab in Surgical Skills Lab, Bldg. 1 Animal Lab in Vivarium Ultrasound Lab in Department of General Surgery

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| **P175AFP** | N/A | U | AVIATION FLIGHT PHYSICAL | 0.2 | VAR | |

**ECL:** 70 **EIMET:** No

Aviation Flight Physical performed for follow on U.S. Navy training at various locations in CONUS.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P176002** | CURR 818 | U | DEFENSE SYS MGMT - MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MBA degree program. This curriculum is designed for international students. It provides international officers with the core MBA interdisciplinary techniques of quantitative problem-solving methods, management theory, management science, economic analysis, and financial management. These skills enable the officers to manage and allocate defense resources, evaluate written research, and analyze products of others throughout their careers. The curriculum will further provide the officers with the specific functional skills required for effective leadership and defense resources management. This curriculum permits students the opportunity to design their own concentration. Concentration areas and courses are determined after consultation with the Academic Associate. The 818 program allows students to design a program of course work specific to management effectiveness in the host country's military system. The student may elect to specialize in the relevant portion of a functional area, such as financial management, logistics, human resources and organization management, or manpower and personnel analysis. Or, the student may choose to follow a general management program, which would include an overall balance of courses from many functional areas. International students are free to choose any of the specific management curricula available. The 818 curriculum allows students to design a program of course work specific to management effectiveness in the host country s military system. The student may elect to specialize in the relevant portion of a functional area such as financial, logistics, human resources and organization, or manpower and personnel analysis. Or, the student may choose to follow a general management program which would include an overall balance of courses from many areas.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P176003** | MLDP I | U | MILITARY JUSTICE (MJ) | 3 | PDI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** Yes

The three week Military Justice course provides a comprehensive overview of the U.S. military justice system and comparative analysis of other military justice systems. Topics include substantive and procedural due process, evidentiary practice, trial advocacy, non-judicial alternatives to courts martial, appeals, the role of judges and transparency. Participants will be able to determine best practices in military justice based upon comparison of the U.S. and other military justice systems. Participants visit U.S. military prosecutors, the U.S. Court of Appeals for the Armed Forces in Washington, D.C. and discuss military law with practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:** Targeted Audience: Military Officers (only) associated with the legal field.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P176007** | CURR 474 | U | INFORMATION SCIENCES PHD 3 YR | 156 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

3 year degree The Department of Information Sciences at the Naval Postgraduate School will award the Doctor of Philosophy in Information Sciences degree as a result of meritorious and scholarly achievement in a particular field of information sciences (IS). This program includes course work, scholarly socialization, written and oral examinations, research, and a written dissertation. A candidate must exhibit scholarly application to the entire course of study, achieve a high level of scientific advancement, and establish ability for original investigation leading to the advancement of fundamental knowledge. IS broadly encompasses the design, implementation, use, promotion and evaluation of organizations, processes and systems associated with knowledge, information, data and communication. It includes areas of concentration in information systems, information technology, information warfare, information operations, and command and control. The study of IS is multidisciplinary, and no single theory or perspective dominates the field. In general, the field can be divided into technical and behavioral approaches. The technical approach to IS emphasizes mathematically based, normative models to study capabilities of systems and processes, in addition to emphasis on the technological artifacts that enable and support organizations, processes and systems associated with knowledge, information, data and communication. The behavioral approach to IS emphasizes behavioral problems associated with design, implementation, use, promotion and evaluation of organizations, processes and systems associated with knowledge, information, data and communication. A great part of IS research involves integrating these two, complementary approaches. The Ph.D. in Information Sciences prepares scholars to conduct original research that contributes new knowledge in the domain of information systems, information technology, information warfare, information operations, or command and control. With such ability to conduct original research and contribute new knowledge, the IS Ph.D. helps to prepare scholars also to teach effectively.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P176008** | CURR 474 | U | INFORMATION SCIENCES PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

4 year degree The Department of Information Sciences at the Naval Postgraduate School will award the Doctor of Philosophy in Information Sciences degree as a result of meritorious and scholarly achievement in a particular field of information sciences (IS). This program includes course work, scholarly socialization, written and oral examinations, research, and a written dissertation. A candidate must exhibit scholarly application to the entire course of study, achieve a high level of scientific advancement, and establish ability for original investigation leading to the advancement of fundamental knowledge. IS broadly encompasses the design, implementation, use, promotion and evaluation of organizations, processes and systems associated with knowledge, information, data and communication. It includes areas of concentration in information systems, information technology, information warfare, information operations, and command and control. The study of IS is multidisciplinary, and no single theory or perspective dominates the field. In general, the field can be divided into technical and behavioral approaches. The technical approach to IS emphasizes mathematically based, normative models to study capabilities of systems and processes, in addition to emphasis on the technological artifacts that enable and support organizations, processes and systems associated with knowledge, information, data and communication. The behavioral approach to IS emphasizes behavioral problems associated with design, implementation, use, promotion and evaluation of organizations, processes and systems associated with knowledge, information, data and communication. A great part of IS research involves integrating these two, complementary approaches. The Ph.D. in Information Sciences prepares scholars to conduct original research that contributes new knowledge in the domain of information systems, information technology, information warfare, information operations, or command and control. With such ability to conduct original research and contribute new knowledge, the IS Ph.D. helps to prepare scholars also to teach effectively.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P176019** | LCHR | U | LAW OF ARMED CONFLICT AND HUMAN RIGHTS | 3 | PDI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** Yes

This three week course for military commanders and staff officers is offered two times per year at the Naval Station in Newport, Rhode Island. LCHR will enable participants to understand and implement their nation's commitment to adhere to international legal instruments that control the use of force and treatment of persons in the context of all types of military operations including those that involve international cooperation. Participants will also be able to identify human rights and law of armed conflict questions that arise in the context of military operations and will know the general areas of the law that serve as standards for resolving these questions. Participants will take part in cultural familiarization activities under the DIILS Field Studies Program (FSP) in Newport, Boston and New York City. Recommended Attendees: LCHR is designed for non lawyer military officers (commanders and staff officers) who are or will be involved at some level with national internal security, border security or counter terrorism operations or joint multinational operations such as UN Peacekeeping or NATO operations. LCHR will also be useful for civilian officials who are involved with planning or oversight of military operations. Military legal advisors may attend this course but will find that the DIILS' Military Law Development Program (MLDP) (MASL P176026 and P176027) provides the additional coverage of legal issues necessary for preparation as a legal advisor. MLDP participants will also attend LCHR but will go on to receive addition instruction on military justice and international law. (See page xx for more information about MLDP) Course Focus: LCHR will help commanders to conduct military operations including multinational joint military operations in accordance with the law of armed conflict and human rights law. Participants will consider the application of international humanitarian law (law of armed conflict) and human rights law to a variety of domestic and international operations including NATO, UN peacekeeping, humanitarian relief, border security, internal security and counter terrorism operations. The course will feature military speakers with recent and relevant experience and interactive exercises and case studies that will provide participants with practical experience and working knowledge that can be used in the field. Please see the DIILS website for additional information and full course schedule WWW.DIILS.ORG. LCHR has replaced the DIILS course "Conducting Stability and Peacekeeping Operations in accordance with the Rule of Law."

**PRE-REQUISITE:**

**COURSE NOTES:** QUOTAS ARE LIMITED AND ARE ASSIGNED ON A FIRST COME BASIS. GENERALLY NO MORE THAN TWO STUDENTS ATTEND EACH CLASS FROM ANY ONE COUNTRY, ALTHOUGH EXCEPTIONS WILL BE MADE ON A CASE BY CASE BASIS. CANCELLATION FEE POLICY: 100 PERCENT PENALTY FEE, ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED, UNLESS WAIVED BY THE MILDEP AS PER NAVY IPO 081900Z JAN 03. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures. UNLESS OTHERWISE STATED, CONTRACT SUPPORTED COURSES ESTABLISH CONTRACTS AT LEAST 90 DAYS PRIOR TO COURSE CONVENING DATE. MORE INFORMATION MAY BE FOUND IN THE DEPARTMENT OF NAVY (DON) SECURITY COOPERATION/CANCELLATION FEE POLICY MSG. We are unable to process and pay Travel and Living Allowance in Newport due to the short duration of the course. STUDENTS ELIGIBLE TO RECEIVE TLA MUST BE PROVIDED THE TOTAL AUTHORIZED ALLOWANCE BEFORE DEPARTING FOR THE U.S. (JSCET authorizes SCO's to provide a full travel advance for all courses with a duration of 5 weeks or less.) A message with details regarding TLA amount will be sent to SCOs several weeks prior to the report date.

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| **P176022** | MET-PDI | U | MET DIILS SEMINAR CONUS | 1 | VAR | |

**ECL:** 70 **EIMET:** Yes

Although most DIILS seminars are conducted in overseas locations, in special circumstances a seminar may be conducted in the United States. Seminars are customized based on prior Assessments, Curriculum Planning, and communication between DIILS and the SAO. Topics will vary depending on the unique needs of the host country. Examples of recent specialized programs include Domestic Operations, Interoperability and Status of Forces Agreements, Advanced Law of the Sea, Peace Operations, Regulation Drafting, and Legal Aspects of Military - Media Relations. Audiences may be military, civilian, or a combination depending on topic and the specific country.

**PRE-REQUISITE:**

**COURSE NOTES:** Arrangements for transportation, billeting, and messing facilities will be made between the SAO and DIILS Country Program Manager. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P176023** | MET-PDI | U | MET DIILS JOINT CONUS PLAN | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Joint CONUS planning phase is conducted in the United States. A delegation of five to eight members from the participating country will travel to the United States and visit military installations, legal institutions, and other appropriate government agencies. During the visit to the United States, the delegation will receive a variety of briefings on U.S. programs. The ultimate goal of this MET is to clearly define the curriculum for future seminars. A CONUS planning visit can be held in various appropriate locations throughout the United States.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P176026** | MLDP I | U | MILITARY LAW DEV PROGRAM | 10 | PDI | Newport, RI 02841 |

**ECL:** 85 **EIMET:** Yes

MLDP offers military legal advisors with a comprehensive curriculum covering military justice and operational law, which includes attending the DIILS "Law of Armed Conflict and Human Rights" (LCHR) (MASL P170619) and "Legal Aspects of Combating Corruption" (LCC) (MASL P176040) courses. Participants visit the U.S. Court of Appeals for the Armed Forces, and meet with senior policy makers in Washington, D.C., to discuss military legal programs in the U.S. They also visit with key United Nations officials at the United Nations Headquarters in New York. Participants will take part in cultural familiarization activities in Boston, MA, New York City Washington D.C. and Newport, RI under the DIILS Field Studies Program (FSP). This course is specifically designed for those who have appropriate legal training qualifying them to practice law in their host nation. MLDP is particularly beneficial for legal advisors who work with military justice issues (military judges, prosecutors, or investigators). Participants requiring advanced studies in international and operational law should be enrolled in the MLDP-ILOMO program (MASL P176029). Please consult with the DIILS Resident Course Director about the decision to send a non-lawyer to MLDP. During the military justice component, MLDP participants learn advanced legal concepts in Constitutional Law, Procedural Due Process, and use of legal codes through the study of international law and the comparative study of military law of other nations. With guidance from DIILS' faculty, participants complete an extensive comparative survey of their own national military legal system and prepare and present a briefing on a relevant component of their national military legal system to the class. Participants also observe selected portions of Naval Justice School courses delivered to U.S. military personnel and participate as jury members in a Naval Justice School mock trial. The military justice component is further enhanced by participation in the DIILS "Legal Aspects of Combating Corruption" course which covers detection, investigation and prosecution of corruption crimes. The operational law component is delivered primarily through the three week DIILS "Law of Armed Conflict and Human Rights (LCHR) course. LCHR covers International Law, Human Rights Law, Law of Armed Conflict and Rules of Engagement. Role play exercises give MLDP participants practical experience providing legal advice to commanders.

**PRE-REQUISITE:**

**COURSE NOTES:** THIS COURSE WILL ALWAYS INCUR A 100 PERCENT PENALTY FEE ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED UNLESS WAIVED BY THE MILDEP. UNLESS OTHERWISE STATED, CONTRACT SUPPORTED COURSES ESTABLISH CONTRACTS AT LEAST 90 DAYS PRIOR TO COURSE CONVENING DATE. MORE INFORMATION MAY BE FOUND IN THE DEPARTMENT OF NAVY (DON) SECURITY COOPERATION/CANCELLATION FEE POLICY MSG. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P176027** | I-LOMO | U | INTL LAW OF MIL OPS I-LOMO | 3 | PDI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** Yes

ILOMO equips military legal advisors to give advice on the legal aspects of military operations and play a constructive role in military operational planning. The ILOMO faculty of subject matter expert instructors from DIILS, the Naval War College and Naval Justice School join experienced military legal advisors from U.K., Australia, Germany, Japan, and other countries to present the most up-to-date developments for military legal advisors. ILOMO participants join U.S. Navy Judge Advocate (NJS) School students for lectures and practical exercises. Participants will also take part in cultural familiarization activities in Boston, MA, New York City and Newport, RI under the DIILS Field Studies Program (FSP). ILOMO is an advanced course designed mainly for military legal advisors, but is open to and may be useful for military commanders and staff officers who seek increased knowledge of legal issues involved in military operations. Please consult with the DIILS Resident Course Director about the decision to send a non-lawyer to ILOMO. ILOMO focuses on the application of international legal standards to military operations, particularly the Law of Armed Conflict, Law of the Sea, Rules of Engagement, Status of Forces agreements, Environmental Law and counter-terrorism and counter-piracy. Participants will gain significant understanding of the special challenges faced in the operational setting through an exercise that uses a video-based Fire Arms Training Simulator (FATS). This exercise tests the application of principles of International Law of Armed Conflict, Use of Force, and Rules of Engagement. Parts of the ILOMO course are combined with the Naval Justice School's Law of Military Operations (LOMO) course for U.S. Judge Advocates, primarily of U.S. Navy and Marine Corp Judge Advocates, but it also includes representation from the U.S. Air Force, Army and Coast Guard. In addition to providing a complete overview of law and military operations, the combined ILOMO-LOMO sessions provide international military legal advisors attending ILOMO with a unique opportunity to learn about latest developments in the application of law to military operations, as well as opportunities to exchange views and develop working relationships with U.S. counterparts.

**PRE-REQUISITE:**

**COURSE NOTES:** Required ECL: 80 We are unable to process and pay Travel and Living Allowance in Newport due to the short duration of the course. STUDENTS ELIGIBLE TO RECEIVE TLA MUST BE PROVIDED THE TOTAL AUTHORIZED ALLOWANCE BEFORE DEPARTING FOR THE U.S. (JSCET authorizes SCO's to provide a full travel advance for all courses with a duration of 5 weeks or less.) A message with details regarding TLA amount will be sent to SCOs several weeks prior to the report date.
THIS COURSE WILL ALWAYS INCUR A 100 PERCENT PENALTY FEE ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED UNLESS WAIVED BY THE MILDEP. UNLESS OTHERWISE STATED, CONTRACT SUPPORTED COURSES ESTABLISH CONTRACTS AT LEAST 90 DAYS PRIOR TO COURSE CONVENING DATE. MORE INFORMATION MAY BE FOUND IN THE DEPARTMENT OF NAVY (DON) SECURITY COOPERATION/CANCELLATION FEE POLICY MSG.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P176028** | CT - PDI | U | LEGAL ASPECTS CMBTERRORISM | 3 | PDI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** Yes

The goal of the three week course is to explore effective means for combating terrorism within the rule of law, with an emphasis on the importance of inter-agency cooperation. Participants take part in cultural familiarization activities in Boston, MA, New York City and Newport, RI under the DIILS Field Studies Program (FSP). LCT is designed specifically for military officers and civilian officials who are currently, or who plan to be, involved with combating terrorism through law enforcement or military means. The course is designed for non-lawyers, although lawyers will find the lectures and curriculum will deepen their understanding of the relevant law and the discussion of effective methods of combating terrorism will make them more effective advisors to policy-makers, law enforcement, or military counter-terrorism practitioners. LCT covers the international law that applies to combating terrorism in each of its three contexts: internal disturbances (domestic crime); internal armed conflict (a common tactic of insurgents); and international armed conflict (such as against Al Qa'ida). Instructors include legal, academic, and anti- and counter-terrorism subject matter experts (including officials from the U.S. Departments of Defense, Justice, and Homeland Security) complemented by extensive readings.. Small group discussion problems and exercises provide students frequent opportunities to test their understanding of the applicable legal rules and to share experiences and insights with other international military officers and civilian officials on effective means for combating terrorism within the Rule of Law. Participants engage in role-playing exercises applying the Rules for the Use of Force and Rules of Engagement, including participation in a video-based exercise which uses the Fire Arms Training Simulator (FATS) at the Rhode Island Air National Guard facility at Camp Fogarty. Site visits and briefings are planned with the U.S. Coast Guard (maritime security), United Nations Combating Terrorism Committee Executive Directorate (anti-terrorism, consequence management), and an Emergency Management Operations Center (inter-agency coordination in crisis response). During the site visits in New York City, students will take a tour that includes the World Trade Center site and have time for other field studies activities.

**PRE-REQUISITE:**

**COURSE NOTES:** Required ECL: 80 LCT is taught twice each year. IMPORTANT: Inprocessing and orientation activities begin the day after the report date and continue until the class start date. DIILS approval is required for early or late arrivals and is dependent on availability of lodging. We are unable to process and pay Travel and Living Allowance in Newport due to the short duration of the course. STUDENTS ELIGIBLE TO RECEIVE TLA MUST BE PROVIDED THE TOTAL AUTHORIZED ALLOWANCE BEFORE DEPARTING FOR THE U.S. (JSCET authorizes SCO's to provide a full travel advance for all courses with a duration of 5 weeks or less.) A message with details regarding TLA amount will be sent to SCOs several weeks prior to the report date. THIS COURSE WILL ALWAYS INCUR A 100 PERCENT PENALTY FEE ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED UNLESS WAIVED BY THE MILDEP. UNLESS OTHERWISE STATED, CONTRACT SUPPORTED COURSES ESTABLISH CONTRACTS AT LEAST 90 DAYS PRIOR TO COURSE CONVENING DATE. MORE INFORMATION MAY BE FOUND IN THE DEPARTMENT OF NAVY (DON) SECURITY COOPERATION/CANCELLATION FEE POLICY MSG.

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| **P176029** | MLDP II | U | INTL MIL LAW DEV PRG-ILOMO | 10 | PDI | Newport, RI 02841 |

**ECL:** 85 **EIMET:** Yes

MLDP offers military legal advisors a comprehensive curriculum of military justice and advanced study of international and operational law. Participants in this program also attend the DIILS "Law of Armed Conflict and Human Rights" (LCHR) (MASL P170619) and "International Law of Military Operations" (ILOMO) (MASL P176027) courses. Participants visit the U.S. Court of Appeals for the Armed Forces, and meet with senior policy makers in Washington, D.C., to discuss military legal programs in the U.S. They also visit with key United Nations officials at the United Nations Headquarters in New York. Participants take part in cultural familiarization activities in Boston, MA, New York City Washington D.C. and Newport, RI under the DIILS Field Studies Program. MLDP-ILOMO is specifically designed for legal advisors who have appropriate legal training qualifying them to practice law in their host nation. MLDP-ILOMO is particularly beneficial for participants who are assigned to give operational legal advice to commanders. Participants whose focus is on military justice (military judges, prosecutors or investigators) should be enrolled in MLDP (MASL P176026). Please consult with the DIILS Resident Course Director about the decision to send a non-lawyer to MLDP. During the military justice component, MLDP-ILOMO participants learn advanced legal concepts concerning Constitutional Law, Procedural Due Process, and use of legal codes through the study of international law and the comparative study of military law of other nations. With guidance from DIILS' faculty advisors, participants complete an extensive comparative survey of their own national military legal system and prepare and present a briefing on a relevant component of their domestic military legal system to the class. Participants also observe selected portions of Naval Justice School presentations delivered to U.S. military personnel. The operational law component is delivered at a basic level through the three week DIILS "Law of Armed Conflict and Human Rights" (LCHR) course during which participants gain practical experience giving legal advice to commanders. Advanced concepts of operational law are presented through the ILOMO course where participants interact with United States and partner military legal advisors.

**PRE-REQUISITE:**

**COURSE NOTES:** Required ECL: 85 THIS COURSE WILL ALWAYS INCUR A 100 PERCENT PENALTY FEE ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED UNLESS WAIVED BY THE MILDEP. UNLESS OTHERWISE STATED, CONTRACT SUPPORTED COURSES ESTABLISH CONTRACTS AT LEAST 90 DAYS PRIOR TO COURSE CONVENING DATE. MORE INFORMATION MAY BE FOUND IN THE DEPARTMENT OF NAVY (DON) SECURITY COOPERATION/CANCELLATION FEE POLICY MSG.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P176036** | S-062-0022 | U | RULE OF LAW&DISCP MIL OPS | 1 | PNST | Stennis Space Center, MS 39529 |

**ECL:** **EIMET:** Yes

Provides international military officers and senior enlisted personnel basic instruction of rule of law, its impact on human rights, and how these considerations fit into the planning and conduct of military operations. Includes fundamental consideration of rules of engagement, law of armed conflict, maritime law, and the role of a military justice system in the accomplishment of disciplined operations. Course is taught by U.S. Military Judge Advocates utilizing Defense Institute of International Legal Studies (DILLS) curriculum. NOTE: ****This course is not a stand alone course. It is a follow on course only (B line), usually after an IMS has completed P145909 or P145062. ****

**PRE-REQUISITE:** Follow medical and dental screening & requirements as set forth in the Joint Security Cooperation Education and Training Instruction (JSCET 3 Jan 11). At a minimum, candidates should be in good to excellent medical and dental health to include HIV, TB and chest X-rays, normal vision (correctable to 20/20), normal hearing and manual dexterity. In addition, students should demonstrate general aptitude in basic reading comprehension, basic computer skills, writing abilities and math skills. All countries, Military Groups and Security Cooperation Officers should carefully select and screen properly prospective students in accordance with current directives, considering the candidate's rank, age, experience, formal prior training and the student's ability to represent his/her country favorably in the United States.

**COURSE NOTES:** Highly recommended as a follow-on course. Physical Training is mandatory for ALL students including civilian students. This course is designed for junior officers (O-1 to O-3) and enlisted personnel (E-1 to E-9). This course can be taught in English or Spanish, check with IMSO for the right dates. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P176040** | LCC | U | LEGAL ASPECTS OF COMBATING CORRUPTION - LCC | 3 | PDI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** Yes

Corruption hinders sustainable development, erodes confidence in democratic governance, and facilitates transnational crime and terrorism. LCC Resident course participants gain knowledge and skills that will enhance their ability to raise awareness of public corruption; explore mechanisms for improving national efforts to prevent, detect, investigate and prosecute corrupt practices; understand the international legal framework for combating corruption and the interplay of national law and policy within that framework. LCC builds more effective partner institutions to combat corruption by promoting interaction among participants and with policy-makers, corruption prevention experts and law enforcement officials. Participants will take part in cultural familiarization activities in Boston, MA, Washington D.C. and Newport, RI under the DIILS Field Studies Program (FSP). This program is intended for mid- and senior-level government officials engaged in activities intended to prevent, detect, investigate and prosecute corruption in the defense sector or other areas of government. Themes for the LCC Resident Program include: Mechanisms of Transparency and Accountability, Standards of Conduct, Investigation and Prosecution of Corruption Offenses, the International Legal Framework for Anti-Corruption Programs, and International Cooperation and Assistance. The LCC program uses a process of national self-assessment in which each participant analyses his/her current national approach against corruption relative to international standards and best practices employed by other nations. Participants learn from anti-corruption practitioners representing local, state and federal government, nongovernmental organizations and the media. Teaching includes case studies from international and domestic settings.

**PRE-REQUISITE:**

**COURSE NOTES:** CTFP funding may be used if authorized. Required ECL: 80 We are unable to process and pay Travel and Living Allowance in Newport due to the short duration of the course. STUDENTS ELIGIBLE TO RECEIVE TLA MUST BE PROVIDED THE TOTAL AUTHORIZED ALLOWANCE BEFORE DEPARTING FOR THE U.S. (JSCET authorizes SCO's to provide a full travel advance for all courses with a duration of 5 weeks or less.) A message with details regarding TLA amount will be sent to SCOs several weeks prior to the report date. THIS COURSE WILL ALWAYS INCUR A 100 PERCENT PENALTY FEE ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED UNLESS WAIVED BY THE MILDEP. UNLESS OTHERWISE STATED, CONTRACT SUPPORTED COURSES ESTABLISH CONTRACTS AT LEAST 90 DAYS PRIOR TO COURSE CONVENING DATE. MORE INFORMATION MAY BE FOUND IN THE DEPARTMENT OF NAVY (DON) SECURITY COOPERATION/CANCELLATION FEE POLICY MSG.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P176042** | LADSCA | U | LEGAL ASPECTS OF DEF SUP OF CIVIL AUTHORITIES | 3 | PDI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** Yes

The three-week LADSCA course promotes Defense Support of Civil Authorities (DSCA) that is s consistent with democratic rule of law, protection of human rights and reasonable use of force. LADSCA will also present international legal mechanisms for timely and consent based delivery of Humanitarian Assistance and Disaster Relief (HA/DR) to nations struck by disaster. The objective is to promote the responsible and effective use of defense resources in support of civilian police and emergency response authorities and to enhance to capability of partner nations to plan for and receive humanitarian assistance and disaster relief (HA/DR) from the United States and other donor nations. Recommended Attendees: " Military planners and staff officers " Military legal advisors. " Parliamentary staff " Military commanders " Civilian emergency response personnel who liaison with the military. Course Scope/Focus: " Comparative legal and constitutional basis for military support of civil authorities. " International agreements that provide a legal basis for international HA/DR assistance " Use of Force rules and human rights protection. " Case studies related to counter terrorism, detention, counter drug, maritime law enforcement operations, security for special events and response to civil disturbance. " Battlefield forensics in support of detention operations and criminal prosecution.

**PRE-REQUISITE:**

**COURSE NOTES:** We are unable to process and pay Travel and Living Allowance in Newport due to the short duration of the course. STUDENTS ELIGIBLE TO RECEIVE TLA MUST BE PROVIDED THE TOTAL AUTHORIZED ALLOWANCE BEFORE DEPARTING FOR THE U.S. (JSCET authorizes SCO's to provide a full travel advance for all courses with a duration of 5 weeks or less.) A message with details regarding TLA amount will be sent to SCOs several weeks prior to the report date.

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| **P177712** | CURR 590 | U | ELECTRNIC SYS ENGRG-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

This curriculum is designed to educate officers in current electronics technology and its application to modern naval warfare. It establishes a broad background of basic engineering knowledge, leading to selected advanced studies in electronic systems, ship/weapon control systems, and communication/information processing applicability. It will enhance individual performance in all duties through a naval career, including operational billets, technical management assignments and policy making positions, thereby preparing the officer for progressively increased responsibility including command, both ashore and afloat. There are several tracks or areas of concentration within the curriculum that are available. They include: (1) The Communications Systems option is designed to provide an advanced education in modern communication engineering topics such as digital communications, spread spectrum communication including anti-jam and low probability of intercept applications, forward error correction coding, and satellite communications. (2)The Computer Systems area of concentration is designed to provide an advanced education in the design, implementation, and application of military computer systems, including such topics as logic circuits, logic design and synthesis, microprocessors, computer and digital systems architecture, military computer architectures, fault tolerant computing, high speed networking, silicon VLSI and gallium arsenide digital IC design, parallel processing, and the hardware/software interface. (3)The Electromagnetic Systems option provides an advanced education in the application of electromagnetic phenomenology to the design and analysis of military systems used for communications, interrogation and signal intercept, and targeting. Courses are offered in a range of areas including antennas, propagation, scattering and RCS control, microwave and millimeter wave devices, as well as in modern numerical methods for analysis and simulation of electromagnetic systems. (4)The Guidance, Control, and Navigation Systems area of concentration is designed to provide and advanced education in the modeling and simulation advanced dynamic systems, the current state of knowledge regarding state estimation (linear and nonlinear filtering), system identification, and the control of dynamic systems, and to unite the theory with military applications. Course in specific areas of military application currently include military robotics, missile guidance and control, and integrated target tracking. (5)The Joint Services Electronic Warfare option is designed to provide advanced education in the evolving technology and systems integration which support modern electronic warfare. Courses in specific areas of relevance include sensor and data fusion, radar and IR/EO systems, radar and communications ECM/ECCM, RCS prediction and reduction, military applications of space. (6)The Power Systems option is designed to provide education in the analysis, design, simulation, and control of power electronic and electromechanical components and integrated topologies common to existing and proposed military systems. (7)The Signal Processing Systems option is designed to provide knowledge of algorithms and design of systems for analysis and processing of signals and images encountered in communications, control, surveillance, radar, sonar, and underwater acoustics.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P177713** | CURR 368 | U | COMPUTER SCIENCE - MS | 91 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The Computer Science curriculum is designed to provide the officer with the technical knowledge and skills necessary to specify, evaluate and manage computer system design; to provide technical guidance in applications ranging from data processing to tactical embedded systems; to educate the officer in the analysis and design methodologies appropriate for hardware, software and firmware; and to provide the officer with practical experience in applying modern computer equipment and research techniques to solve military problems. The principles presented in the curriculum have two layers: computing mechanics deals with the workings of computations, communications, computers, and memories; and computing design deals with the ways of organizing software systems for simplicity, reliability, performance, security, and value. Our curriculum also provides for concrete experience in computing practices-the skills and ways of thinking that mark a computing professional. These include programming, engineering of systems, modeling, and innovating. We offer a unique course called Technology, Innovation, and Leadership that teaches the practices and discipline of innovation. The two dimensions-computing principles and practices-define the space in which the core technologies of computing exist and serve application domains: algorithms, architecture, artificial intelligence, database, networking, operating systems, security, and more. Specialization Track Options Track Core Requirement courses will be determined by the selection of one of the following specialization track options. (1) Information Security and Assurance - provides knowledge in all areas of Information Security (INFOSEC) and develops the necessary skills for those who will be involved in development, evolution, or implementation of secure computer systems. (2) Network and Mobile Systems - provides fundamental and advanced knowledge in network architecture and system software for real-time and multicomputer systems and in the rapidly growing areas of wireless networking, mobile devices, and related topics, including mobile computing and wireless security. (3) Autonomous Systems - provides an understanding of artificial intelligence and human factors techniques for creating highly capable software agents that interact effectively with human users. (4) Software Engineering and Architecture - provides knowledge of all aspects of software development and develops skills needed to efficiently and reliably implement military systems and application software using the best available tools and techniques. (5) Cyber Systems and Operations - provides knowledge in all areas of security provisions, information assurance and situational awareness for computer systems, networks and ICS, and their integration with Defensive Cyber Operations, Offensive Cyber Operations, and DoD Global Information Grid Operations. (6) CS-MOVES Option - Students interested in an MSCS degree with a focus on modeling, simulation, and virtual environments may choose the CS-MOVES Option as their track. Specialization sequence course work will be coordinated by the student working with his/her MOVES thesis advisor, and must be approved as part of the thesis proposal.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 18 months - Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P177714** | CURR 360 | U | OPERATIONS ANALYSIS-MS | 91 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Operations Analysis is the development and application of mathematical models, statistical analyses, simulations, analytical reasoning and common sense to the improvement of real-world operations. Practitioners are called upon to advise military and civilian decision makers on the allocation of scarce resources, the selection of new equipment and processes, and the optimal deployment of given resources to achieve required missions. The OA curriculum was successfully founded by NPS in 1951 in order to retain, develop, and promulgate the methods that were used so successfully in World War II. Mathematics, probabilities, statistics, human factors, and optimization supply the theoretical background for analyzing alternative choices in tactical and strategic warfare, and in planning, budgeting, and procurement of systems and forces. The student learns the computational methods and develops skills to identify relevant information, formulate decision criteria and select alternatives. This education enhances performance in all duties throughout a military career including operational billets, technical management assignments and policy making positions.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 24 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P177715** | CURR 570 | U | MECHANICAL ENGRG - MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The objective of this program is to provide graduate education, primarily in the field of Naval/Mechanical Engineering, to produce graduates with the technical competence to operate and maintain modern warships and naval systems. It establishes a broad background of basic engineering knowledge leading to advanced studies in heat transfer, fluid mechanics, control systems, solid mechanics and vibrations and material science. The graduate will be able to participate in technical aspects of naval systems acquisition for technological advances in naval ships, submarines, autonomous vehicles, and related weapon systems. Through emphasis on the design aspect within the program, the graduate will be well prepared to apply these advances in technology to the warships and submarines of the future. An original research project resulting in a finished thesis is an integral part of the curriculum. TACTICAL AND STRATEGIC MISSILE TECHNOLOGY AND DESIGN: The Department of Mechanical and Aerospace Engineering offers a Missile Systems Engineering Track within the framework of a Master's Degree in Mechanical Engineering. The program allows students to take courses related to tactical and/or strategic missile systems and can be completed in four to six quarters, depending on academic preparedness of the student. Additional course electives can be taken to enhance specialty areas, along with thesis research related to tactical or strategic systems, or a wide range of other useful military technologies. The missile track course sequence is taken in conjunction with courses required for the standard Masters of Science degree. The courses can be taken over the course of a year and cover the critical technology areas related to tactical and strategic missile analysis, design, fabrication, and operation. The primary courses of the track are: Missile Aerodynamics (October), Missile Guidance and Control (March), Advanced Missile Propulsion (January) and Tactical Missile Design (July). AUTONOMOUS SYSTEMS AND MILITARY ROBOTICS TECHNOLOGY AND DESIGN: The Department of Mechanical and Aerospace Engineering offers an Autonomous Systems Engineering Track within the framework of a Master's Degree in Mechanical Engineering. The program allows students to take courses related to the Military use autonomous systems and can be completed in six to eight quarters, depending on academic preparedness of the student. Additional course electives can be taken to enhance specialty areas, along with thesis research related to autonomous systems, robotics or a wide range of other useful military technologies. The sequence of special courses is taken in conjunction with courses required for the standard Masters of Science degree. The courses can be taken over the course of a year and cover the critical technology areas related to tactical and strategic missile analysis, design, fabrication, and operation. The primary courses of the track are: Introduction to the Military Use of Autonomous Systems, Control of Autonomous Systems, Navigation and Control of Single and Multiple Vehicles, and Autonomous Systems Lab. ENERGY SPECIALTY: The objective of this program is to provide graduate education, primarily in the field of Naval/Mechanical Engineering with a focus on Energy, including production, storage, and use. This program is designed to produce graduates with the technical competence to operate and maintain modern warships and naval systems. It establishes a broad background of basic engineering knowledge leading to advanced studies in heat transfer, fluid mechanics, control systems, solid mechanics and vibrations, material science, energy production, storage and usage. The graduate will be able to participate in technical aspects of naval systems acquisition for technological advances in naval ships and systems, particularly as they apply to energy. Through emphasis on the design aspect within the program, the graduate will be well prepared to apply these advances in technology to the warships of the future. An original research project focusing on either 'Energy, Power and Propulsion Systems' or 'Energy Materials' resulting in a satisfactory thesis is an integral part of the curriculum. Course Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 12-24 months

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 12-24 months - Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P178072** | CIVCONTR | U | IT, MANAGEMENT AND PROGRAM MANAGEMENT | 0 | VAR | |

**ECL:** **EIMET:** No

This MASL is for various courses offered by Learning Tree at various locations. It precludes the development of multiple MASL'S which are normally only used once.

**PRE-REQUISITE:**

**COURSE NOTES:** Learning Tree is a by request vendor course.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P178073** | N/A | U | NAVY EXECUTIVE DEVELOP PROGRAM-STRATEGIC THINKING | 1 | PCHN | UNC Chapel Hill, NC |

**ECL:** 70 **EIMET:** No

The Strategic Thinking course provides a collaborative and powerfully engaging opportunity for Admirals, Generals and members of the Senior Executive Service to heighten awareness and deepen personal insights related to innovation, business transformation and financial management. Through the presentation of cutting edge business concepts and best practices, the course challenges participants to test their assumptions and discover new possibilities. Prominent speakers from private industry, government, defense, science and academia motivate participants to broaden their thinking and expand intellectual comfort zones through interaction with one another. The course design is based on classic research by Mintzberg1 on the roles undertaken by senior managers, which fall into three major groups: leadership/interpersonal, informational, and decision making. Under the rubric of leadership, we focus on leading transformational change as well as effective utilization of human capital. The sessions on informational roles address the strategic use of information technology for achieving business objectives. Finally, the sessions on the decision making roles of senior managers provide the financial and analytical tools required for making effective decisions at the flag officer level. A highlight of the course is a set of presentations by very senior leaders from the Department of the Navy, who provide strategic direction and inspiration to course participants.

**PRE-REQUISITE:**

**COURSE NOTES:** 1. This five and a half day course is offered three times in FY16 at the Kenan-Flagler Business School at the University of North Carolina in Chapel Hill: 21 February, 12 June, and 25 September. Five seats in each class are available for international Flag Officers. Quotas will be allocated on a first-come, first-served basis. Countries are invited to send one flag-level participant to only one of the courses to allow more diverse international participation. Acceptances should indicate a preferred course date and an acceptable alternative course date. A. Responses are required via e-mail NLT 21 December 2015 to LT Jeffrey Gonzales via email jeffrey.m.gonzales(at)navy.mil and copy to appropriate Naval Education and Training Security Assistance Field Activity (NETSAFA) country desk officer. B. Biographical data is required to be delivered to the to the Navy Flag Development Office via e-mail to LT Dan Giller at Daniel.Giller(at)navy.mil NLT 30 days prior to course convening date. Due to administrative requirements of the course, failure to provide biographical data by the deadline will result in the cancellation of quotas. Required biographical data includes name, rank, email address, preferred phone number, and preferred mailing address. 2. The course objective is to provide a cadre of navy executives with an increased ability to think strategically, execute the mission, lead change, and produce more effective and efficient business practices. 3. Key student requirements and course data: A. It is essential that the attendee be a Commodore, Rear Admiral, or O-7 equivalent. For those countries where flag rank may be too senior for a representative from that country, a senior Captain with clear potential for selection and promotion to Flag officer may be designated. B. It is imperative this officer be able to communicate effectively in English so they can fully integrate with peers both professionally and socially. C. The course is intended for maritime officers. Waivers for ground and air force officers will be considered on a case-by-case basis, but will be reserved for extraordinary circumstances and will require detailed justification by appropriate Security Cooperation Office (SCO). Service waiver requests will be considered in consultation with Navy Flag Development Office. D. Security clearance requirements are IAW Ref A. Student Invitational Travel Orders (ITO) must reflect U.S. equivalent security clearance granted by their government, (See blocks 11B(1) and 11B(2) of ITO, DD Form 2285, JUL 95). E. Course length: Five and a half days. F. Attendance is limited to one student per year. G. Please provide the Navy Flag Development Office with the student travel itinerary as soon as it becomes final. 4. Current estimated price programming data are in Military Articles and Services List (MASL) P178073. Invitations are extended under Foreign Military Sales (FMS) or International Military Education and Training (IMET), as appropriate, to individual countries. SCO shall ensure the method of funding has been coordinated with unified commands and NETSAFA before extending the invitation to the appropriate country representative. Tuition payments must be made to NETSAFA NLT 30 days prior to course convening date. Unlike previous sessions of ST, meals are no longer included in tuition charges. Lodging and meals must be paid by student at completion of course with either a credit card or cash. 5. For additional information about Strategic Thinking, SCO is encouraged to consult the flag university web page at: http://nedp.nps.navy.mil or contact LT Dan Giller at daniel.giller(at)navy.mil. 6. Lodging and meals will be programmed at the government per diem rate for Rizzo Conference Center at UNC Chapel Hill's Kenan-Flagler School of Business. Participants will receive one invoice at the end of the course which they will be expected to pay. Those participants receiving case/program funded TLA will be provided funds at the same government per diem rate for that location. Additional updates to Lodging and meals information can be provided by course point of contact. ****" University of North Carolina, Kenan-Flagler Business School, Chapel Hill, North Carolina with the closest airport is Raleigh Durham International Airport (RDU) with most major airlines." Students are now required to pay for meals and lodging. ****NOTE**** ****"University of North Carolina, Kenan-Flagler Business School, Chapel Hill North Carolina with the closest airport is Raleigh Durham International Airport (RDU) with most major airlines." Students are now required to pay for meals and lodging.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179014** | A-450-0014 | U | SENIOR MUSICIAN | 30 | PMUS | Virginia Beach, VA 23459 |

**ECL:** 70 **EIMET:** No

The Senior Musician Course is designed to prepare senior musician personnel in the Navy and Marine Corps (E6-E7) to perform the duties of the Senior Enlisted Assistant Director/Enlisted Bandmaster. The course content includes conducting/rehearsal techniques, instrumental performance, ear training, theory, counterpoint, history, form and analysis, and band scoring. This course prepares the student for the highest levels of responsibility through advanced score study, ear training, and rehearsal techniques. In addition to advanced "core" academic subjects, emphasis in this course focuses on conducting and rehearsing the concert band and large jazz ensemble. Student to teacher ratio is limited to 12:1, allowing for more personalized instruction. Students also maintain a computer workstation at their desk, enabling them to take advantage of the most current music education software available.

**PRE-REQUISITE:** All students must have completed the Music Basic Course (A-450-0010 and one of the following courses: Ceremonial Conductor/Drum Major Course (A-450-0016) (no longer available) or Unit Leader Course (A-450-0012). A waiver for the Unit Leader or Ceremonial Conductor/Drum Major Course prerequisite may be granted with the successful completion of a written diagnostic screening examination

**COURSE NOTES:** SCO should contact Naval School of Music via NETSAFA country manager for assistance in evaluating prospective students.

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| **P179018** | CT-CMR | U | CIV-MIL RESP TO TERRORISM | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a two-week ‘Combating Terrorism Fellowship Program (CTFP) and Expanded International Military Education and Training (IMET) approved course entitled “Civil-Military Responses to Terrorism,” at the Naval Postgraduate School, in Monterey, CA. The key objectives of the course are to: support international understanding of the politico-military components of combating international terrorism; and enhance the capabilities of coalition partners to develop effective short- and longterm programs to combat terrorism that are consistent with democratic principles. The Civil-Military Responses to Terrorism course provides a thorough understanding of terrorism in all its forms, with considerable emphasis on strategy formulation and international cooperation. The program utilizes case studies and simulation exercises to stimulate thoughtful discussion, providing participants with the insight needed by decision-makers and their advisors to design successful strategies to defeat terrorist networks; protect citizens and property; and address the root causes of terrorism.

**PRE-REQUISITE:**

**COURSE NOTES:** The course is offered twice per year, in Spring and Autumn. Overseas versions of this course can be delivered to single countries by Mobile Education Teams under MASL P309069, or to regional groupings of countries under the MASL P273011. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures. Target rank is 0-4 through 0-6 and the civilian equivalents. Class Sixe: 30 Students

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| **P179030** | CURR 360 | U | OPERATIONS ANALYSIS-PHD | 156 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Operations Analysis is the development and application of mathematical models, statistical analyses, simulations, analytical reasoning and common sense to the improvement of real-world operations. Practitioners are called upon to advise military and civilian decision makers on the allocation of scarce resources, the selection of new equipment and processes, and the optimal deployment of given resources to achieve required missions. The OA curriculum was successfully founded by NPS in 1951 in order to retain, develop, and promulgate the methods that were used so successfully in World War II. Mathematics, probabilities, statistics, human factors, and optimization supply the theoretical background for analyzing alternative choices in tactical and strategic warfare, and in planning, budgeting, and procurement of systems and forces. The student learns the computational methods and develops skills to identify relevant information, formulate decision criteria and select alternatives. This education enhances performance in all duties throughout a military career including operational billets, technical management assignments and policy making positions. Three year Ph.D program.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** See MASL P177714 for program description. Course Report Date : 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 36 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179031** | CURR 681 | U | REG SEC STDS-(MDE,SA, SUB-SAH AFRICA) MA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MA degree program. Provides students with a wide knowledge and thorough understanding of the complex inter-related environments pertaining to national security affairs, as well as addresses the interface between international politics, civil-military relations, and national security objectives. Places emphasis on the proper role of the military in a democratically elected government. Curricula focus is on the history, culture, and religion of a specific region or country and provides students with a knowledge of current issues, economic and political structures and institutions, military forces, including strategic capabilities and policy implications, and geopolitical influences. Students receive extensive exposure to human rights issues. Curricula under this program include the following area studies for Middle East, South Asia, and Sub-Saharan Africa. DEGREE: MASTER OF ARTS IN SECURITY STUDIES (MIDDLE EAST, SOUTH ASIA, AND SUB-SAHARAN AFRICA).Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179032** | CURR 682 | U | REG SEC STUDIES (FE/SEAS/PACIF)-MA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MA degree program. Provides students with a wide knowledge and thorough understanding of the complex inter-related environments pertaining to national security affairs, as well as addresses the interface between international politics, civil-military relations, and national security objectives. Places emphasis on the proper role of the military in a democratically elected government. Curricula focus is on the history, culture, and religion of a specific region or country and provides students with a knowledge of current issues, economic and political structures and institutions, military forces, including strategic capabilities and policy implications, and geopolitical influences. Students receive extensive exposure to human rights issues. Curricula under this program include the following area studies for the Far East, Southeast Asia, and Pacific. DEGREE: MASTER OF ARTS IN SECURITY STUDIES (FAR EAST, SOUTHEAST ASIA, AND THE PACIFIC)

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179033** | CURR 684 | U | REGIONAL SEC STUDIES (EUROPE/EURASIA) MA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MS degree program. MA degree program. Provides students with a wide knowledge and thorough understanding of the complex inter-related environments pertaining to national security affairs, as well as addresses the interface between international politics, civil-military relations, and national security objectives. Places emphasis on the proper role of the military in a democratically elected government. Curricula focus is on the history, culture, and religion of a specific region or country and provides students with a knowledge of current issues, economic and political structures and institutions, military forces, including strategic capabilities and policy implications, and geopolitical influences. Students receive extensive exposure to human rights issues. Curricula under this program include the following area studies for Europe and Eurasia. DEGREE: Master of Arts in Security Studies (Europe and Eurasia)

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179034** | CURR 683 | U | REG SEC STUDIES (WESTERN HEM)-MA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MS degree program. MA degree program. Provides students with a wide knowledge and thorough understanding of the complex inter-related environments pertaining to national security affairs, as well as addresses the interface between international politics, civil-military relations, and national security objectives. Places emphasis on the proper role of the military in a democratically elected government. Curricula focus is on the history, culture, and religion of a specific region or country and provides students with a knowledge of current issues, economic and political structures and institutions, military forces, including strategic capabilities and policy implications, and geopolitical influences. Students receive extensive exposure to human rights issues. Curricula under this program include the following area studies for the Western Hemisphere. Degree: Master of Arts in Security Studies (Western Hemisphere)

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179035** | CURR 688 | U | STRATEGIC STUDIES | 65 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Strategy is concerned with the use of force to further the ends of policy. The aim of this curriculum is to produce students with a thorough understanding of the relationship between force and politics, and of the relationship of force to other instruments by which the ends of policy may be pursued. Graduates will possess a comprehensive knowledge of US national security and defense policy and military strategy. They will have the ability to develop and coordinate national and military strategy; to develop concepts and plans to employ military forces at the national and theater levels; to write strategic- and operational-level vision and guidance documents; and to formulate, articulate, and coordinate the employment of all dimensions of military power to support the ends of American national policy. Strategic Studies is a multi-disciplinary degree program grounded in the fields of history, international relations, comparative politics, and political economy, and requires completion of a Master's thesis as the capstone degree requirement. Satisfactory completion of the four-course Naval War College JPME sequence is required for Navy officers. Students who are not required, or do not desire, to complete JPME are expected to develop a coherent four-course elective sequence in its place.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: Any Quarter Course Length: 65 weeks (5 QTRS) Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179042** | CURR 698 | U | JOINT INFOR OPS - MS | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The goal of this curriculum is to educate military personnel and civilian officials of the United States and its Allies in the strategic and operational dimensions of information relative to the use of force as an instrument of statecraft. The curriculum is designed for both the specialist who will be assigned to an information operations position and the generalist who will be assigned to an operations directorate. The curriculum includes a core of military art and operations, the human dimension of warfare emphasizing psychological warfare and military deception, analytical methods, and a technical sequence customized for each student that may include concentrations in cyber systems and operations, electronic warfare and computer network operations. Additional areas of concentration are available to meet specific student and organizational requirements. Finally, each student will write a thesis relevant to the field of information operations. The JIO curriculum is designed to develop the following competencies in its graduates: 1) Analyze the global information environment and assess its impact on national security strategy. 2) Analyze the role of information operations in national military strategy and maximize it contributions to national military power. 3) Analyze information operations' role in national information strategy and maximize its contributions to the non-military elements of national power. 4) Evaluate the relationships, linkages and dependencies between intelligence and information operations. 5) Analyze the contributions of the interagency community to information operations and vice versa. 6) Analyze non-US approaches to, capabilities, and doctrines for information operations. 7) Analyze the use of information operations to achieve desired effects across the spectrum of national security threats. 8) Analyze how information operations are integrated to support the national military and security strategies and the interagency process. 9) Analyze how information operations apply at the operational and strategic levels of war and how they support the operations of a networked force. 10) Evaluate the national security technological environment as an enabler for current and future competitive advantage. 11) Detect enemy cyber fires and plan defensive and offensive cyber operations. 12) Analyze the principles, capabilities and limitations of information operations across the range of military operations, to include pre and post-conflict operations. This program is open to all branches of the military, federal employees, international military officers and government sponsored civilians.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179045** | GPOI-CCMR | U | GPOI UNITED NATIONS STAFF OFFICERS COURSE (UNSOC) | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Expanded International Military Education and Training (E-IMET) course entitled "Global Peace Operations Initiative (GPOI) United Nations Staff Officers Course," exportable on demand to all IMET recipient countries. The purpose of the course is to prepare and train staff officers from the Captain - Lieutenant Colonel or the civilian equivalent for service in United Nations Multi-national Headquarters or within US contingents that conduct Peace Support Operations (PSO). The course will meet current standards of performance established by the United Nations and include best practices from training being conducted by other peacekeeping Nations. Specifically the training will address the most recent changes in the environment, which will influence the staff officer assigned to a multi-national, coalition headquarters within the context of a United Nations, coalition of the willing or regional peace operation. Given the potential of varying skill levels of officers from various participating nations, the proposed Staff Officer training program represents a master menu, which defines all aspects of possible training. Training can be tailored according to each nation's particular needs to provide a consistency of approach, with all nations achieving a common level of staff interoperability. The program will establish baseline staff skills necessary to operate within a UN, coalition or regional peacekeeping force headquarters. These staff skills constitute the foundation of a credible PKO response and the skills are critical to operational effectiveness. The key objectives of the course are to provide instruction and technical assistance to: (1) Introduction to a UN / Coalition type of Mission staff system as a common basis for the performance of peace operations staff duties. (2) Co-operation and co-ordination within the staff, between the military staff and different civilian components and with parties involved in the conflict. (3) Operational principles and procedures of UN and regional Peace Support Operations. (4) Knowledge of UN conflict control operations, especially: use of UN peacekeeping tactics and techniques, Use of force, Rules of Engagement (ROE), legal aspects of peace operations (5) Co-operation and co-ordination with UN Agencies, International Organizations and NGOs (6) Code of Conduct (7) Political, social, cultural, religious and other factors influencing operations in mission areas (8) Liaison, negotiation and mediation (9) Security Issues and force protection (10) Human Rights responsibilities Priority is placed on combining education and practical application in the form of theoretical presentations and small group staff exercises. Course procedural and implementation guidelines along with take-away references for independent national course development, are provided to the country's defense leadership, for further developing national Staff Officer education and training capacity, and to the ODC/SAO as a status report on the recipient country improved PSO capability. Course objectives are achieved through rigorous application of problem-solving techniques with emphasis on working with military officers and civilian counterparts in a group setting. At the end of this course, the recipient country will be better prepared to provide trained mid-career military officers and civilian officials for service as UN Staff Officers. Participants will understand the relationship of national military training to the UN Standardized Training Modules 2-1 (UN Officer Common Training) and 2-4 (UN Staff Officer). Moreover, the recipient nation's peacekeeping training staff will better understand how to adapt UN staff officer training programs to meet changing operational requirements. Training Audience: Civilian and military personnel in the rank of Captain to Colonel or the civilian equivalent that will conduct peace support operations. Emphasis should be to personnel who will be conducting peace support operations training structures or a peacekeeping training center then to staff officers. Faculty Teams: CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. CCMR faculty teams are relatively small consisting of proven military and civilian subject-matter experts drawn from around the world. Translation: The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language.

**PRE-REQUISITE:**

**COURSE NOTES:** Funding: The course may be provided through either the GPOI program, E-IMET/IMET or FMF/FMS funding.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179047** | GPOI-CCMR | U | GPOI UNITED NATIONS LOGISTICS OFFICERS COURSE | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Expanded International Military Education and Training (IMET) course entitled "Global Peace Operations Initiative (GPOI) United Nations Logistics Officers Course," exportable on demand to all IMET recipient countries. The purpose of the course is to prepare trained logistics officers (Capt. - Lt. Col.) for service in United Nations Multinational Headquarters or in US contingents that conduct Peace Support Operations (PSO). The course will meet current standards of performance established by the United Nations and include best practices from training being conducted by other peacekeeping nations. Specifically the training will address the most recent changes in United Nations' logistic procedures and the PSO mission environment, which will influence the logistics officer assigned to a multi-national, coalition operation within the context of a United Nations, or regional peace operation. Given the potential of varying skill levels of officers from various participating nations, the proposed Logistics Officer training program represents a master menu, which defines all aspects of possible training. Training can be tailored according to each nation's particular needs to provide a consistency of approach, with all nations achieving a common level of staff interoperability. The program will establish baseline logistics staff skills necessary to operate within a UN, coalition or regional peacekeeping force headquarters. These logistics skills constitute the foundation of a credible PKO response and are critical to operational effectiveness. The key objectives of the course are to provide instruction and technical assistance to: (1) Introduction to a UN Mission structure as a common basis for the performance of logistics staff duties. (2) The UN logistics management structure including national, mission and UN HQ responsibilities (3) Co-operation within the staff, between the military logistics staff and the United Nations civilian logistics staff. (4) Operational and logistical principles and procedures in a UN Peace Support Operation. (5) Knowledge of UN Logistics, UN Supply and UN Movement Control Systems. (6) Co-operation and co-ordination with UN Agencies, International Organizations and NGOs (7) Code of Conduct (8) Political, social, religious and other factors prevailing in mission areas (9) Liaison and Negotiation (10) Security and force protection issues Priority is placed on combining education and practical application in the form of theoretical presentations and small group staff exercises. Course procedural and implementation guidelines along with take-away references for independent national course development, are provided to the country's defense leadership, for further developing national Logistic Officer education and training capacity, and to the ODC/SAO as a status report on the recipient country improved PSO capability. Course objectives are achieved through rigorous application of problem-solving techniques with emphasis on working with military officers and civilian counterparts in a group setting. At the end of this course, the recipient country will be better prepared to provide trained mid-career military officers and civilian officials for service as UN Logistic Staff Officers. Participants will understand the relationship of national military training to the UN Standardized Training Modules 2-1 (UN Officer Common Training) and 2-5 (UN Staff Officer). Moreover, the recipient nation's peacekeeping training staff will better understand how to adapt UN staff officer training programs to meet changing operational requirements. Training Audience: Civilian and military personnel in the rank of Captain to Colonel or the civilian equivalent that will conduct peace support operations. This course is also valuable for Logistic Planners (UN Missions) and personnel dealing with reimbursements from the United Nations Faculty Teams: CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. CCMR faculty teams are relatively small consisting of proven military and civilian subject-matter experts drawn from around the world. Translation: The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language.

**PRE-REQUISITE:**

**COURSE NOTES:** Funding: The course may be provided through either the GPOI program, E-IMET/IMET or FMF/FMS funding.

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| **P179048** | GPOI-CCMR | U | UN PKO OPS INSTRUCTORS RESIDENT COURSE | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Peacekeeping Operations Instructors Course" (PKOIC). The PKOIC targets national training center instructor cadres (or, if a national center does not exist, then unit trainers) and intensively covers key "Core Pre-deployment Training Modules" (CPTMs) issued by the United Nations Integrated Training Service/Department of Peacekeeping Operations (e.g., Command and Control, Disarmament-Demobilization-Reintegration, Human Rights, Humanitarian Assistance). The aim of the course is to enhance the knowledge base and instructor skills of peacekeeping trainers in United Nations (UN) peacekeeping essential topics. Upon completion of the course, participants will be well versed in UN issues in general and can train other peacekeeping instructors on UN polices and procedures (or train unit personnel directly on these issues). Upon completion of the course, participants have a thorough understanding of the characteristics and complexities of integrated UN missions and can successfully participate in them. The course is ideally suited for Captain through Colonel ranks (or civilian equivalents). CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The PKOIC can be conducted in residence at the Naval Postgraduate School (MASL P179048) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309392) or a regional (MASL P279392) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the PKOIC. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises will be problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the course consists of three to four SMEs and one senior SME. Participants: The optimum course size is 30 students. These individuals are identified from countries worldwide. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179067** | CURR 399 | U | MODELING OF VIRTUAL ENVIRONMENTS SIMULATION-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The MOVES Curriculum was developed in response for an interdisciplinary graduate education program beyond that available through the Computer Science Curriculum's Computer Graphics and Visual Simulation track. The MOVES Curriculum of the Naval Postgraduate School provides the M.S. and Ph.D. student both fundamental and specialized courses in applied computer simulation technology and the application of quantitative analyses to human-computer interaction in simulation technology. The MS program is a seven-quarter program whose core covers the fundamentals of modeling and simulation, data analysis, visual simulation, intelligent systems, training, and human performance. These topics include object-oriented programming, probability, statistics, stochastic modeling, data analysis, acquisition and program management, artificial intelligence, computer graphics, simulation and training, and combat modeling systems. The MS student demonstrates depth by the completion of a written thesis. The degree of Master of Science in Modeling, Virtual Environments, and Simulation is awarded after satisfactory completion of a program which satisfies, as a minimum, the following degree requirements: 1. At least 40 quarter-hours of graduate-level work, of which at least 12 quarter-hours must be at the 4000 level. 2. Completion of an approved sequence of courses constituting specialization in an area of Modeling, Virtual Environments, and Simulation. 3. Completion of an acceptable thesis in addition to the required course work. The MOVES Academic Program also has a program leading to the degree Doctor of Philosophy. Areas of special strength amongst the MOVES Academic Faculty are combat modeling and analysis, networked and web-based visual simulation, agents and cognitive modeling, training systems and human factors, and discrete-event simulation. MS Degree

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 11 Sep 16 (Fall) Those requiring the 12-week refresher will begin study in July. Course Length: 24 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179068** | CURR 399 | U | MODELING OF VIRTUAL ENVIRONMENTS SIMULATION-PHD | 156 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

399 MODEL VIR ENVIRON -PHD Course Description: See MASL P179067 for curriculum description. The PHD is a 3 year program, depending on student qualifications.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179069** | N/A | U | INTERNATIONAL DEFENSE ACQUISITION NEGOTIATIONS | 1.6 | PATM | Monterey, CA 93943-5103 |

**ECL:** 80 **EIMET:** Yes

The key objectives of this course are: 1. To develop an understanding of cross cultural negotiations. 2. To familiarize course participants with a structured approach to planning and preparing for negotiations. 3. To examine analytical techniques and fact finding methodologies as aids to developing a negotiation position and best alternatives to a negotiation position. 4. To learn and apply various negotiation strategies and tactics and understand their situational use. 5. To provide an opportunity to prepare a negotiation plan and to actually negotiate complex issues in difficult negotiation situations. The course is taught by resident faculty from the School of International Graduate Studies and Graduate School of Business and Public Policy. Faculty lectures are augmented by presentations from distinguished practitioners who are negotiation experts. The course focuses on planning and preparing for negotiations with a special emphasis on negotiation of complex issues in a multi-cultural environment. Extensive in class negotiations are conducted. Course participants learn their negotiating style preference and how and when to adapt their negotiation styles given the behavior and goals of the parties. Topics include fact finding techniques, gathering and use of information, selection of negotiators, characteristics of good negotiators, use of teams in negotiations, strategies and tactics for effective negotiations, ethics, types of power bases, analytical methodologies, relationship building in negotiations, developing negotiation arguments and counterarguments, developing negotiation positions, timing and pace; cultural considerations, communication and language barriers, identifying best alternatives to a negotiation position, completing the negotiation, drafting and signing negotiations agreements and enforcing negotiation agreements. A capstone multi-cultural negotiation exercise focuses on the analysis of information, preparation of a formal negotiation plan, planning for negotiations, actual negotiations and completion of a negotiation agreement Participants: This course is designed for U.S. and international military officers and civilian equivalents of grades 04-06, who directly or indirectly contribute to development of negotiation positions, conduct analysis of information or participate in negotiations. Countries are encouraged to nominate more than one participant. Course Dates: The course is offered November (fifth quarter event) of each year directly following the Principles of Defense Procurement and Contract Management course. The course can be exported and customized given a country's specific requirements. In country MASL is P309134

**PRE-REQUISITE:**

**COURSE NOTES:** Offered once yearly.

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| **P179085** | GPOI-CCMR | U | UN PKO CONTINGENT COMMANDERS RESIDENT COURSE | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Peacekeeping Operations Contingent Commanders" (PKOCC) course. The PKOCC course prepares potential commanders in the roles and responsibilities of contingent commanders, battalion commanders and sector commanders in complex peacekeeping operations, both for UN and other multinational operations. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. The course provides training to officers from the ranks of Lieutenant Colonel through Brigadier General. Course Details: The PKOCC can be conducted in residence at the Naval Postgraduate School (MASL P179085) or in a host country through a Mobile Education Team as a regional (MASL P279085) course. In regional and in-residence courses, participants are drawn regionally or globally. The duration is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: Gain an understanding of the operational environment of today's conflicts and the commanders' role in an integrated mission; ensure understanding of the importance of consensus, coordination and communication at the operational level among the military, humanitarian, and political actors; develop awareness and understanding of the various components of peacekeeping operations; enhance understanding of the underpinning legal framework of UN peacekeeping operations and the attendant Integrated Mission Planning Process; create a common understanding of the UN system and various agencies in the field including aspects of operational coordination; ensure understanding of the responsibilities and roles of the commander to effectively lead personnel employed in peacekeeping operations; enhance understanding of the importance of addressing various cross-cutting issues to include human rights, gender and the implementation of SCR 1325, Code of Conduct and Discipline, Sexual Exploitation and Abuses (SEA), through sound leadership and administration; understand the elements of conflict management; and develop skills and the ability to apply basic principles of negotiations and mediation. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises is problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the PKOCC course will consist of three to four SMEs and one senior SME (with experience as a commander in the field). Participants: The course is limited to 30 participants. These participants will be selected from countries world-wide. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179094** | N/A | U | RADAR WAVEFORMS: PROP, ANALYSIS, DESIGN, & APP | 0.6 | PGAT | Atlanta, GA 30332-0870 |

**ECL:** 70 **EIMET:** No

Understand radar waveforms and the tools necessary to analyze, design, and select them for particular applications. Examine waveform properties using graphics, equations, demonstrations, and an interactive software tool. Get insight into techniques for analyzing and designing waveforms based on fundamental waveform properties and the desired application. Learn the impact of error sources and hardware/system limitations on performance as well as the impact of radar mode on waveform selections. Notes: Who should attend: Course is for Engineers and Scientists.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179105** | CURR 847 | U | MNPWR SYS ANALYSIS-MS | 91 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MS degree program. Program is designed to fill the leadership roles in military manpower management. MPTA is an extremely analytical curriculum intended to develop skills necessary to perform and evaluate manpower analyses. As such, the curriculum emphasizes mathematical, statistical, and other quantitative methods. Areas covered include an understanding of MPT policy development, compensation systems, productivity analysis, enlistment supply and retention models, manpower requirements determination processes, career mix, enlistment incentives, reenlistment incentives, training effectiveness measures and hardware/manpower tradeoffs. Students gain familiarity with current models and methods of MPT analysis as well as military MPT organizations and issues.

**PRE-REQUISITE:**

**COURSE NOTES:** Convenes once annually (July). Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179107** | CURR 362 | U | HUMAN SYS INTEGR-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

This program, the first of its kind in the nation, focuses on the integration of the human element in the design, acquisition, and operation of complex technologies and weapons systems. Human Systems Integration emphasizes human considerations as a top priority in modern systems design in order to reduce life cycle costs and optimize system performance, and advocates a human-centered approach in the design, acquisition, testing and operation of human-machine interfaces. Human Systems Integration at NPS is a multidisciplinary program composed of several basic areas: Human Factors Engineering, System Safety, Health Hazards, Habitability, Human Survivability, and Manpower, Personnel, and Training. Similarly, our multidisciplinary approach provides students with experiences in a variety of NPS academic departments and disciplines, including Human Factors, Operations Research, Modeling of Virtual Environments and Simulation (MOVES), Systems Engineering, and Business Administration. This approach ensures that each student is exposed to a wide range of basic theory and applied research, as well as allowing for diverse opportunities for research and thesis topics. In addition, our on-site Human Systems Integration Laboratory (HSIL) provides a broad range of research and testing opportunities.

**PRE-REQUISITE:** Undergraduate degree, any discipline, or equivalent college level math preferred.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179109** | CURR 590 | U | ELECTRICAL ENGRG - PHD 3 YR | 156 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Three year degree PHD. For course description information refer to Curriculum 590-MS, MASL P177712.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179127** | CURR 837 | U | FINANCIAL MANAGEMENT - MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

Ms degree program. The objective of the Financial Management Curriculum is to prepare officers for business and financial positions within the Navy. Financial Managers assist the services decision-making processes at all levels by providing accurate, timely and relevant information. They are concerned with the optimal allocation of human, physical and financial resources to achieve the services goals and objectives while assuring efficient and effective expenditure of public funds. Graduate courses cover topics such as financial reporting standards, cost standards, cost analysis, budgeting, internal control, auditing, management planning and control systems, quantitative techniques used in planning and control, and the Planning Program and Budgeting Systems used within the Department of Defense. Graduates of the Financial Management Curriculum will be prepared for assignment to positions in budgeting, accounting, business and financial management, and internal control and auditing.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179136** | K- 2G-0036 | U | INTERNATIONAL SURFACE WARFARE OFFICER SCHOOL | 16 | PSWS | Newport, RI 02841 |

**ECL:** 70 **EIMET:** No

The International Surface Warfare Officer course prepares junior commissioned officers to execute with confidence, assigned junior officer watch station duties aboard surface warfare craft and ships by providing fleet oriented training. This training highlights shipboard organization, basic systems interdependence and interaction, including a foundation in surface combat systems, operational concepts, watch standing, basic seamanship skills, and engineering. Upon completion of this course, the graduate will possess entry level skills to perform duties as junior officer of the deck, combat information watch officer, officer of the deck (inport), assistant navigator, safety officer during deck evolutions, and officer of the deck (underway). This course emphasizes fleet missions as they apply to individual international countries. It discusses naval operations and supporting areas, i.e. air warfare, undersea warfare, amphibious ships, surface warfare, mine countermeasures, damage control, intelligence, chain of command.

**PRE-REQUISITE:**

**COURSE NOTES:** Family Members are STRONGLY DISCOURAGED to accompany the Students due to the high cost of living in Newport RI. The servicing airport is TF Green in Providence RI. Please have the students arrive before 1700. AFTER HOURS IMSO CONTACT: 817-874-0011

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| **P179170** | CURR 533 | U | ENGINEERING ACOUSTICS-PHD 3 YR | 156 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

PHD. Three year program. For course description refer to Curriculum 533, MASL P179906.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179177** | N/A | U | OJT NAVWARCOL | 0 | PNW | Newport, RI 02841-5010 |

**ECL:** 80 **EIMET:** No

OJT Naval War College

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179182** | CIVCONTR | U | CIVILIAN CONTRACTOR TRNG - PNA | 1 | VAR | |

**ECL:** 70 **EIMET:** No

To provide E-2C operation and maintenance training at Northrup-Grumman Corporation.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179183** | CIVCONTR | U | CIVILIAN CONTR TRNG-PNA | 1 | VAR | |

**ECL:** 70 **EIMET:** No

Initially used to program for contractor C-130 Flight Crew Refresher Simulator Training. Flight crews receive classroom instruction, simulator training, and Video Animated Systems Trainer Instruction. Can be used for any Misc. Contractor Training

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179190** | A-431-0083 | U | EOD DIVER | 8 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

Provide qualified personnel with the basic training necessary to safely and effectively perform as an Explosive Ordnance Disposal dive team member using SCUBA and MK-16 MOD 1 UBA. The course provides instruction on basic diving physics and medicine, SCUBA diving operations, MK-16 MOD 1 UBA diving operations, and underwater inspections/search operations per approved technical manuals and the U.S. Navy Diving Manual.

**PRE-REQUISITE:** EOD DIVER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course*** 1) Attendance at NITC Dive Prep (MASL: PREPDIV) is mandatory for all students prior to training at NDSTC. 2) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. A) Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Articles 15-102 and 15-105 change 147. b) Results must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. C) Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. Students cannot be pregnant. D) The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. D) A copy of the forwarding letter shall be provided to NETSAFA. All medical requirements must be completed prior to arrival at the course site. 3) This course is for International officers and enlisted personnel under the Foreign Military Sales (FMS) Program and International Military Education and Training (IMET) Program. This course is open to all ratings. 4) Students must have a physiological and psychological screening test before attending this course of instruction. 5) Prerequisites must be completed prior to arrival at course site. 6) Requirements: a) Physical requirements for this course can be found on the NDSTC website located on line: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/Physical_Preparation.pdf b) Medical requirements for this course can be found in the NDSTC IMS Handbook located at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf c) Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 and 15-105 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:** EOD DIVER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** International Note(s): This course is considered "high-risk" IAW NETCINST 1500.1 series and OPNAVINST 1500.75 series which state that when a student in a voluntary high-risk training course (as identified in the Catalog of Navy Training Courses-CANTRAC) desires to quit or drop on request "DOR", he/she need only make such intentions known. Training ceases immediately and the student is expeditiously removed from the training area. When a pipeline, or a portion of a pipeline, requires an IMS to meet specific physical standards, is physically demanding, or physical training is part of the curriculum, the IMS will be required to participate in physical fitness training. Students attending English Language Training at Defense Language Institute (DLI) with follow-on training in these courses will also participate in mandatory physical training as part of their DLI course. The individual ITO must be endorsed (Special Remarks Section) "Mandatory physical training is required. Refusal to participate shall result in dismissal." Beards are not permitted to be worn in any diver training course due to requirement for facial seal using diving and recompression equipment. All students should report at least one working day prior to the convening date for administrative processing. All students, upon arrival, must have with them both medical and dental records. All students must be prepared to participate in daily strenuous exercise for approximately one hour; this includes three mile runs, 1000 yard swims, and numerous calisthenics. STUDENTS WILL NEED TO BRING A PAIR OF GOOD QUALITY RUNNING SHOES AND A PAIR OF STEEL TOED BOOTS. For more information, refer to the Naval Diving and Salvage Training Center website: http://www.netc.navy.mil/centers/ceneoddive/ndstc/ Students must be able to pass the physical screening test on Day 2 of training IAW MILPERSMAN 1220-100 and 1220-410. The physical fitness standards are as follows: 500 yd swim utilizing the side or breast stroke / Not to exceed 12 min 30 sec, 10 min rest, Maximum push-ups in 02 min (50 pushups minimum), 02 min rest, Maximum curl-ups in 02 min (50 curlups minimum), 02 min rest, Maximum pull-ups in 02 min (6 pullups minimum), 10 min rest, 1.5 mile run / Not to exceed 12 min 30 sec.

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| **P179198** | CIVCONTR | U | INITIAL PREPARATORY SCREENING PROGRAM | 0 | POTD | NAS Pensacola, FL 32508 |

**ECL:** **EIMET:** No

This three week course is being established to ensure students are physically qualified (to include proper documentation stating so) for follow-on training at high risk courses. Attendance will be programmed prior to attending ELT at DLIELC due to physical examination scheduling and completion issues at Lackland AFB. All other requirements of this course are on a not to interfere basis with completion of the physical examination requirements. 1 - In processing of International Military Students (IMS) 2 - Scheduling/completion of physical examination (non-flight) requirements for high risk courses, such as Explosive Ordnance Disposal (EOD) school, Dive School, Buds, and survival school. 3 - Completion of initial ECL testing 4 - Introductory/Assessment Physical Training (PT) program 5 - Creation of a personalized PT plan for (future) utilization during training period at DLI. 6 - Issuance of a "Certificate of Completion" for the training period

**PRE-REQUISITE:** This T-MASL captures only the NITC overhead portion of the training. The Contractor portion (T-MASL P366CS8) with associated costs must also be programmed.

**COURSE NOTES:** Main aim is for students from CENTCOM countries but may be utilized for anyone needing an "approved" physical examination prior to attending follow-on training. Three weeks is the "standard" CENTCOM duration when attending "prior" to DLI. Duration will be variable if attending "after" DLI.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179204** | SPECIAL | U | MANP PERS TRNG ED (MPT&E) | 5.4 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 70 **EIMET:** Yes

This course is designed to equip senior-level military and civilian MPT&E professionals with the knowledge, skills, and abilities needed in their positions to develop, implement, execute, and manage innovative MPT&E solutions for the future. The number one challenge facing a military force in today's constrained fiscal climate is to preserve and enhance the capability of its most critical asset-its people. This course provides attendees with a comprehensive introduction to strategic and operational techniques for the development, management, and improvement of Human Capital strategies, policies, and programs in an integrated environment. Participants will learn to address contemporary challenges through an academically advanced, PME-level course covering the complex and interrelated areas of knowledge and practice within the MPT&E field. The course is suitable for international military (officer or senior enlisted) and civilian personnel who are assigned to or detailed to positions of responsibility in MPT&E functions to include: Detailing/Assignment Process, Community Management, Force Planning, Training and Education, Human Resources, Recruiting, Program or Management Analysis, Weapons or Systems Acquisition, and Security Assistance or Country Liaison. The course consists of lectures, discussions, guest speakers, field trips, student presentations, and small-group exercises. Lecturers and guest speakers are hand-picked and recognized as experts in military or civilian government fields. Field trip locations are carefully selected to provide students the maximum learning opportunity as well as exposure to U.S. cultural, governmental, and historical venues. Student presentations provide participants the opportunity to discuss best practices from their organizations. Finally, group exercises allow participants to apply theory and develop problem-solving skills in an inter-operative environment that includes a final "Capstone" exercise. Subject matter covered in the course includes: Manpower Systems and Processes, Training Pipelines, Officer and Enlisted Detailing, Force Shaping, Recruiting, Human Resource Practices, Pay and Compensation Systems, Integrated Learning Environment, Resource Allocation, Advancement and Career Paths, Supply Chain Management, Measures of Success, Training for Specific Deployments, Legal Concerns for MPT&E, Personal and Professional Development, Professional Military Education, MPT&E in the Acquisition Process, Selection and Promotion, and Inter-Deployment Training Cycles. Course visits outside of the Pensacola area may include some or all of the following: Great Lakes, IL (Recruit Training Center and Training Support Center); Millington, TN (Chief of Naval Personnel, Navy Recruiting Command, and Navy Manpower Analysis Center), Newport, RI (Senior Enlisted Academy, Naval War College, Surface Warfare Officers School, Officer Training Command); Washington, D.C. area (DCNO for MPT&E (OPNAV N1), U.S. Marine Corps Training and Education Command, U.S. Naval Academy, National Defense University, and the USAF Command and Staff College.)

**PRE-REQUISITE:**

**COURSE NOTES:** NOTE: CANCELLATION FEE POLICY: 100 PERCENT PENALTY FEE, ONCE A CONTRACT IS LET OR A QUOTA IS CONFIRMED, UNLESS WAIVED BY THE MILDEP AS PER NAVY IPO 081900Z JAN 03.

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| **P179205** | V-5G-4302 | U | PNC - INTERMEDIATE LEADERSHIP COURSE | 8 | PCHA | Fort Jackson, SC 29207 |

**ECL:** 70 **EIMET:** No

Prepares Navy Chaplains (O-4 and O-4 selects) to serve in intermediate levels of leadership, management, and supervision. This course develops the knowledge, skills, and abilities for Professional Naval Chaplaincy and institutional ministry at the intermediate level. Chaplains will be equipped to support the commander's mission by demonstrating naval leadership competencies, supervise the delivery of the Chaplain Corps' core capabilities, and executing professional staff functions.

**PRE-REQUISITE:** O-4 and O-4 (Sel.)

**COURSE NOTES:** Course is an eight week course that two distinct portions. The first portion of the course is 6 weeks of Facilitated Computer Based Training. The second portion of the course is 2 weeks of Instructor Lead Training. Both portions of the course will be held at the Naval Chaplaincy School and Center located at 10098 Benning Road, Fort Jackson, SC 29207-5307. Family Members/Dependents are NOT recommended due to the short nature of the course and the lack of available housing on base.

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| **P179206** | V- 5G-4304 | U | PNC- ADVANCED LEADERSHIP COURSE | 4 | PCHA | Fort Jackson, SC 29207 |

**ECL:** 70 **EIMET:** No

Prepares Navy Chaplains (O-5 and O-5 selects) to serve in senior leadership and staff positions. This course develops the knowledge, skills, and abilities for Professional Naval Chaplaincy and institutional ministry at the advanced level. Chaplains will be equipped to conduct planning, advisement, coordination and supervision of religious ministry in their commander's areas of responsibility. Topics will include: leadership, policy, manpower, budgets, and training and certification of subordinate RMTs, in accordance with standards established by Operational Navy and requirements set by the Naval Service.

**PRE-REQUISITE:** O-5 and O-5 (Sel.)

**COURSE NOTES:** Course is an eight week course that is split into two distinct portions. The first portion of the course is 6 weeks of Facilitated Computer Based Training. The second portion of the course is 2 weeks of Instructor Lead Training. Both portions of the course will be held at the Naval Chaplaincy School and Center located at 10098 Benning Road, Fort Jackson, SC 29207-5307. Family Members/Dependents are NOT recommended due to the short nature of the course and the lack of available housing on base.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179214** | CIVCONTR | U | C4I OFFICER CORE COURSE | 16 | PNSH | Charleston, SC |

**ECL:** 65 **EIMET:** No

The Core Course is designed to educate and train international officers in basic technology, human capabilities, naval operations, and the way these factors are applied in current C4I systems. The Core Course provides concepts of command and control and how it is applied during naval warfare. The Core Course outlines naval organizations and their responsibilities and relationships to each other in a C4I environment.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179215** | CIVCONTR | U | C4I OFFICER OPERATIONS COURSE | 21 | PNSH | Charleston, SC |

**ECL:** 65 **EIMET:** No

The Operations course outlines the UCC System Hardware and System Software operating environment and discusses message processing, Task Force and Composite Warfare Commander Organization, operational missions and weapons systems. The Operations Course teaches ship and aircraft operations, military response and operations and Command Center Operations.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179216** | CIVCONTR | U | C4I OFFICER TECHNICAL COURSE | 21 | PNSH | Charleston, SC |

**ECL:** 65 **EIMET:** No

The Technical Course discusses communications theory and its implementation, computer systems, networks and software utilized in C4I applications. It outlines what system hardware, applications, segments, connectivity and data feeds that are utilized in the C4I infrastructure. The Technical Course outlines functions, logistics, watch and project management of C4I organizations.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179220** | N/A | U | TECHNOLOGIES FOR INFORMATION OPERATIONS | 3 | PGS | Monterey, CA 93943 |

**ECL:** 85 **EIMET:** No

A course tailored for mid to high level officers (LT/Capt - CDR/LtCol) based on recent research and development in associated Littoral and Information Operations and Maritime Security technologies. The course is a technical workshop presented by various NPS faculty that covers several exciting technology areas important for tomorrow's war fighters. Examples of areas covered include: concepts of Maritime Security and Principles of Maritime Domain Awareness, Maritime Security threats in the Littorals, Information Operations (including sensors and command and control and Underwater Warfare Operations), M&S and Wargaming, Weapon employment, C4I, and systems design. The course also includes a field trip and several lab tours.

**PRE-REQUISITE:** Course Pre-requisites (1) Undergraduate engineering degree or equivalent (2) ECL score of 85. Course report date: 26 Oct 2014 Course start date: 27 Oct 2014 Completion date: 14 Nov 2014

**COURSE NOTES:** Quotas: 25 worldwide. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179221** | CURR 870 | U | INFO SYS MGMT MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MBA Degree Program. The Information Age has generated a revolution in the means in which we conduct business and warfare. New technologies have changed the traditional views of the marketplace, supply chain management, and logistics. As the range and complexity of computer applications have grown, the need to manage and exploit those resources has increased. This curriculum provides both the technical skills and business acumen to deal with a constantly evolving digital world. The Information Systems Management (MBA) curriculum provides the knowledge skills and competencies to: (1) Manage the acquisition of Information Systems. (2)Manage Information Systems and infrastructure support afloat and ashore. (3)Solve Information Systems engineering and management problems individually and in teams. (4)Effectively manage and lead in today s constantly changing digital world. (5)Develop and implement effective strategies and policies to take advantage of technological opportunities and mitigate risk. (6)Assimilate new technologies and transform organizations, processes, and strategies to compete in the marketplace or on the battlefield.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179222** | CURR 595 | U | INTL 595 INFORMATION WARFARE-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

A course of study appropriate for military officers who require a fundamental understanding of Information Warfare and Information Operations. Graduates of this curriculum are thoroughly knowledgeable in Information Operations (IO) and Information Warfare (IW). They receive a Master of Science in Information Warfare Systems Engineering (MSIWSE) degree that provides the services with officers who are well versed in the technical, theoretical, and operational aspects of interdisciplinary IO/IW as they relate to joint mission objectives in modern warfare. Courses in the curriculum discuss the role of Information Warfare in modern warfare and the integral roles of EW, psychological operations, military deception, OPSEC, physical destruction, INFOSEC, and network attack. Mathematics, Science and Engineering fundamentals are provided to support the theoretical and experimental aspects of Information Warfare. System level understanding of Communication Systems, Electronic Warfare Systems, Radar Systems, Network Operations, Computer Network Security and Information Systems are emphasized. The System Engineering process is presented and applied in an Information Warfare team project.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 19 Jun 16 (Summer) Course Length: 24 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179223** | CURR 365 | U | 365 JOINT C4I SYSTEMS-MS | 91 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The C4I curriculum is designed to provide military officers and civilian equivalents a comprehensive operational and technical understanding of the field of C4I systems as applied to joint, combined, and coalition military operations at the national and unified command levels. The program is designed with the following goals: enable individuals to develop an understanding of the role C4I systems play in the use of military power and the ability to interpret the impact of C4I on operating philosophy; provide adequate background knowledge in basic technology, human capabilities, and joint, combined, and coalition military operations and how these factors are exploited in current C4I systems; and provide the framework whereby students can perform requirement and planning studies of new C4I systems and contribute to crisis management.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 19 Jun 16 (Summer) Course Length: 24 months - Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179242** | A- 4J-0021 | U | AFLOAT ENVIRONMENTAL PROTECTION COORDINATOR | 0.4 | PSDC | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The Afloat Environmental Protection Coordinator course provides assigned collateral-duty shipboard Environmental Protection Coordinators with training to establish and operate a ship's environmental protection program according to SECNAVINST 5090.7A, SECNAVINST 5090.8A and OPNAVINST 5090.1C. Scope: Course content includes learning objectives focused on duties and tasks to advise the Commanding Officer on shipboard discharge events as identified in the OPNAVINST 5090.1 Series, use of Protective Measures Assessment Protocol for routine Navy training and exercises, protection of marine species and endangered animals and prevention and corrective actions for Oil Spill and Hazardous Substance releases.

**PRE-REQUISITE:** Senior enlisted and officer personnel assigned as Afloat Environmental Protection Coordinators or Environmental Compliance Officers on board ships, submarines, and afloat staffs.

**COURSE NOTES:** Please visit NAVOSHENVTRACEN website, within two weeks of course convening, for detailed course location information, such as building and POC at www.safetycenter.navy.mil/training/location.htm MESSING/BERTHING: Civilian and military personnel are to arrange for their own messing/berthing in the area where each convening is being conducted, in accordance with applicable regulations. TRANSPORTATION: Dependent upon individual convening sites. UNIFORMS: Military personnel are to appear in the uniform of the day for each class locations site. Students should check with the particular base to ensure proper attire.

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| **P179243** | A-493-0073 | U | MACHINERY AND MACHINE GUARDING STANDARDS | 0.8 | PSDC | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

The course familiarizes the student with various types of common machinery and related safety standards. Scope: Guidance is provided on hazards associated with various kinds of machinery and control of hazardous energy sources (lockout/tagout). The course presents an approach to machine inspection that enables participants to recognize hazards such as those created by points of operation, rotating parts, flying chips, and provides options to achieve abatement. The course also includes an introduction to robotics.

**PRE-REQUISITE:** Military or civilian collateral-duty safety personnel are eligible but must be designated in writing as the activity OSH manager or safety officer.

**COURSE NOTES:** Students must bring safety glasses, hearing protection and safety shoes for a field exercise.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179245** | CIVCONTR | U | PHASED ARRAY RADAR SYSTEMS DEF 3510 | 0.6 | PGAT | Atlanta, GA 30332-0870 |

**ECL:** 70 **EIMET:** No

Get an overview of phased array radar system requirements and operation, which is reinforced by application examples. Examine major subsystems and associated technologies with specialists in those areas. Focus on phased array antenna principles and design, as well as on software algorithms for search and track. System implementation trends and recent technological developments are summarized. See demonstrations of antenna modeling software and hardware.

**PRE-REQUISITE:** Principles of Modern Radar or other introductory courses are helpful for participants with limited radar experience. Knowledge of radar fundamentals and operation is assumed

**COURSE NOTES:** This is NO LONGER A RESTRICTED COURSE. WHO SHOULD ATTEND: Engineers and managers engaged in the specification, procurement, design and development, testing, and operation of current and future radar systems.

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| **P179247** | CIVCONTR | U | OJT AVIATION | 0 | PVPJ | Jacksonville, FL 32212-0024 |

**ECL:** 70 **EIMET:** No

Provides both officer and enlisted IMS's with an opportunity to reinforce skills and knowledge related to aviation operations and maintenance. IMS's are assigned to for a 1 - 180 day period, normally following a resident training course.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179249** | CIVCONTR | U | ADVANCED ELECTRIC MEASUREMENT CALIBRATION COURSE | 2 | PFLU | Everett, WA 98203 |

**ECL:** 70 **EIMET:** No

Training will include the use of Fluke 5790A AC Measurement Standard to Calibrate the following instruments: 1. Agilent 3458A Digital Multimeter 2. Ballantine 1395A Thermal Voltage Convertor 3. Datron 4920 Transfer Standard 4. Fluke 5100B Meter Calibrator 5. Fluke 5102A Meter Calibrator Training will also consist of instruction on the topic of measurement uncertainty.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179253** | CIVCONTR | U | NAVY MULTI-BAND TERMINAL TRAINING | 2 | PRYT | Sudbury, MA |

**ECL:** 70 **EIMET:** No

Provide Operator and Maintainer training for the tasks associated with the daily operations and O-level maintenance of the Navy Multiband Terminal-International Partner Variant. Scope of factory training will be tailored to FMS customer requirements for ship, shore or submarine variants.

**PRE-REQUISITE:**

**COURSE NOTES:** Two week course; Operator training conducted first week (10 students max), followed by O-Level Maintainer training the second week (6 students max). The six students must have taken the Operator training in week one.

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| **P179265** | N/A | U | NON-DEG (1 QTR - 4 CRS) | 13 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179266** | N/A | U | NON-DEG (1QTR - 3 CRS) | 13 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179267** | N/A | U | NON-DEG (1 QTR - 2 CRS) | 13 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179268** | N/A | U | NON-DEG (1 QTR - 1 CRS) | 13 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog . Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179269** | N/A | U | NON-DEG (2 QTRS-8 CRS) | 26 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179270** | N/A | U | NON-DEG (3 QTRS - 12 CRS) | 39 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog . Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179271** | N/A | U | NON-DEG (4 QTRS - 16 CRS) | 52 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

NPS has also developed a series of non-degree program MASLs (up-to-one year) to accommodate requests for eligible students who are not available for the full degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Students will be integrated into regular master's curriculum classes. Therefore standard admissions eligibility and TOEFL requirements apply. Course options will depend on whether prerequisite courses are required and when during the year that they are offered. Check the online edition of the NPS catalog for specific course offerings and descriptions: http://www.nps.edu/admissions/catalog. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179272** | CIVCONTR | U | BASIC RADAR CONCEPTS (DEF 3501P) | 1 | VAR | |

**ECL:** 70 **EIMET:** No

Understand the fundamental principles of modern radar technology in simple, easy-to-understand terms. Learn to converse comfortably on radar topics with a radar specialist. Understand and appreciate the problems a radar specialist encounters.

**PRE-REQUISITE:**

**COURSE NOTES:** Who Should Attend: -Nonradar specialists; Executives and managers; Engineers and scientists -Pilots; Radar operators and Policemen What Is Covered: Introduction to Radar; The Signal Processor; Adaptive Signal Processing Techniques ; Radar Applications; Airborne, Ground-Based, Ship-Borne Radars; Example Systems; Electronic Attack/Protection

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| **P179273** | CIVCOMTR | U | TARGET TRACKING IN SENSOR SYSTEMS (DEF 3520) | 0.8 | VAR | |

**ECL:** 70 **EIMET:** No

Review the fundamentals of target tracking and obtain an overview of the principles of the sensor systems for which target tracking algorithms are implemented. Focus on the concepts associated with target tracking, track filter analysis through two computer labs, basic mathematics used in target tracking, and the operations of the more commonly used sensor systems. WHO SHOULD ATTEND: Engineers engaged in the specification, procurement, design, development, and testing of sensor systems; Technical personnel interested in developing skills in target tracking; Engineers and scientists.

**PRE-REQUISITE:**

**COURSE NOTES:** WHO SHOULD ATTEND: Engineers engaged in the specification, procurement, design, development, and testing of sensor systems; Technical personnel interested in developing skills in target tracking; Engineers and scientists.

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| **P179274** | CIVCONTR | U | NIXIE (SLQ-25A) DEPOT LEVEL MAINTENANCE | 2 | PGEN | Chesapeake, VA 23320 |

**ECL:** 70 **EIMET:** No

NIXIE (SLQ-25A) DEPOT LEVEL MAINTENANCE Course Description: The AN/SLQ-25A (NIXIE) Factory Training Course is a blend of classroom instruction, computer based training (CBT), and a hands-on Lab. The training course will cover the operation, handling and maintenance of the system. This training will also cover the R-CS1A fiber optic cable termination. This will allow the customer to properly terminate the fiber optic cable. Instruction would include the special tools and instructions required to install the fiber optic connectors. Upon successful completion of this course, AN/SLQ-25A Operators and Maintainers will have acquired sufficient knowledge and skills, including system analysis and troubleshooting techniques, to be able to operate and perform organizational level maintenance on the Torpedo Countermeasures Transmitting Set, AN/SLQ-25A System in a shipboard operational environment.

**PRE-REQUISITE:**

**COURSE NOTES:** This course was developed to support Pakistan Navy's request for Intermediate and Depot Level training on the AN/SLQ-25A System (NIXIE). The course was coordinated and contracted through PEO SUBS contact, Joanna Balogun PMS415F1. Tel: 202-781-1145.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179275** | GPOI-CCMR | U | UNITED NATIONS SENIOR MISSION LEADERS COURSE (SML) | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Senior Mission Leaders (SML) course. The SML course prepares senior personnel for their future roles and responsibilities as mission leaders in United Nations (UN) peacekeeping operations, to include planning, managing and leading UN peacekeeping missions. On completion of the course, participants will be competent to lead UN peacekeeping missions. The US conducts this course through its Global Peace Operations Initiative (GPOI) program. CCMR has conducted the SML course with partner countries; the partner country is also responsible for helping develop and select course participants. For example, the course has been offered in Tokyo twice, jointly with the Government of Japan. Course participants are senior personnel (i.e., brigadier general and civilian equivalents) and are drawn from countries throughout the region or worldwide. Course Details: The SML course will be conducted in a participating country as a national MET (MASL P309211) or a regional MET (P279211), or in residence at the Naval Postgraduate School (MASL P179275). The participants will be from countries worldwide. The duration of training will be 12 days inclusive of weekends. Participants could use GPOI funding, IMET/EIMET or be self-funded. Course duration is 12 calendar days, inclusive of weekend rest and cultural/social events. Training Objectives: The SML enhances capacities of GPOI partner countries by developing senior UN leadership capabilities, and it increases the number of trained leaders available for leadership posts in UN peacekeeping missions. The specific objectives of the SML course are to: a. Ensure understanding of Cooperation, Coordination, Communication, Consensus and Integration for effective functioning of the mission Senior Leadership Team (SLT); b. Develop an understanding of the various components of peacekeeping missions; c. Enhance understanding of the legal framework of UN operations and the attendant Integrated Mission Planning Process; d. Create a common understanding of the UN system and various agencies in the field including aspects of strategic coordination; e. Ensure understanding of the responsibilities and roles of the SLT to effectively lead personnel employed in peacekeeping operations; f. Enhance understanding of cross-cutting issues to include Gender and the implementation of SCR 1325, Code of Conduct and Discipline, Sexual Exploitation and Abuses (SEA), etc, through sound leadership and administration. Course Instructors: The instructor staff consists of course secretariat and mentoring team. The mentoring team possesses extensive mission experience. Subject Matter Experts also include personnel from UN agencies, field missions, HQ staff and academic institutions. Participants: Course size is 25 participants. Participant rank/grade should be brigadier general or civilian equivalent. Previous peacekeeping experience is desirable. Optimally, participant structure achieves both gender and component (military, police and civilian) parity.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179295** | CIVCONTR | U | TACTICAL FIREARMS TEAM TRNG/QUICK SHOT | 2 | PFCC | NAS North Island, CA 92135 |

**ECL:** 80 **EIMET:** No

All students receive training on camera equipment, editing software, as well as small arms and small unit tactics. The goal of Quick Shot is to improve the combat cameraman's ability to capture useable imagery and correctly process and transmit it through available mediums such as E-mail and the Broadband Global Area Network system while also familiarizing them with conducting sensitive site exploitation and surveillance imagery in a simulated wartime field environment.

**PRE-REQUISITE:** Must have a working knowledge of still/video camera equipment. Must have a working knowledge of photo/video editing software. Must be authorized to use small arms (Pistol and Rifle)

**COURSE NOTES:** Winter Tactical Firearms Training Team/Quick Shot Cold Weather Gear List ITEM QTY Working Uniform Type III 2 Type III Boonie Hat 1 Cold Weather Base Layer 1 Gortex Jacket or Poncho 1 Boots 1 Body Armor w/plates 1 Helmet w/NOD mount 1 9mm magazine pouches 4 5.56 magazine pouches 4 Field Medical kit 1 9mm drop leg holster 1 Rifle sling 1 Camera sling 2 Eye Pro (clear/black) 1 Ear Pro 1 Knife 1 Surefire flashlight 1 Camelbak/hydration sys. 1 Go Bag 1 Wrist Watch 1 3-part Sleeping bag system 1 Strobe/IFF marker 1 Toiletries 1 DSLR camera, lenses and accessories 1 Video camera, lenses and accessories 1 Laptop, hard drive, cables, card reader, accessories 1 Night vision optics for still/video 1 GPS 1 Compass 1 Gloves 1 Laundry bag (stenciled) 1 THE ABOVE LIST IS NOT ALL INCLUSIVE. YOU CAN ADD YOUR OWN ITEMS BUT DO NOT REMOVE ITEMS FROM THIS MANDATORY LIST. Request students arrive in at Command in San Diego, California two days prior to course commencement (February 8, 2013) for gear inspections and to address any discrepancies prior to deployment into field conditions. **See attached gear list *** All Students depart from Naval Air Station North Island in San Diego, California via military vehicle to the training located at Burro Canyon in Angeles National Forrest near the town of Azusa, California: EXACT FIELD-TRAINING ADDRESS: Burro Canyon Shooting Park, 22100 E. East Fork Road, Azusa, CA 91702

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| **P179297** | CIVCONTR | U | MTU DIESEL ENGINE TRAINING | 0 | VAR | |

**ECL:** 70 **EIMET:** No

This course of instruction covers the operation and maintenance of MTU diesel engines, to include the CM and/or CE training pipelines. Note: this training will be tailored to the specific model of MTU diesel engine installed in requesting country's ship/boat or vehicle.

**PRE-REQUISITE:** Basic knowledge or technical understanding of diesel engines.

**COURSE NOTES:** ECL is waived when course material is taught in student's native language.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179497** | CIVCONTR | U | ISC MAINTENANCE TRAINING | 0.8 | PBSC | ST Louis, MO 63166-0516 |

**ECL:** 70 **EIMET:** No

The training will focus on I-level repair and maintenance of ISC units. Topics of Instruction: 1. SRA removal/replacement for all 10 SRAs that make up the ISC SRAs A1-A7 will be simple, SRAs A8-A10 will be much more involved 2. Lightplate removal/replacement 3. Voice alert programming 4. OFP programming 5. Test of ISC after all SRA removal/replacement activities

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179522** | CIVCONTR | U | HF OPERATOR TRAIING | 3 | PMNH | Merrimack, NH 03054 |

**ECL:** 70 **EIMET:** No

Ground-based Mobile HF DF system operator training. The system operator training will cover: Microsoft Windows Operations System operation System configuration Operating modes Displays and controls Theory of operation Evaluation of all system screens Built in test Operator efficiency techniques Practical hands-on field exercises

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179523** | CIVCONTR | U | V/U & HF MAINTENANCE TRAINING | 4 | PMNH | Merrimack, NH 03054 |

**ECL:** 70 **EIMET:** No

Maintenance and Software Training: Shipboard and Ground-based Mobile VHF/UHF COMINT DF and Extended Signal Analysis System Maintenance and Software training. The system maintenance training will cover: System configuration System operation Preventive maintenance System level troubleshooting

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179524** | CIVCONTR | U | V/UHF OPERATOR TRAINING | 2.6 | PMNH | Merrimack, NH 03054 |

**ECL:** 70 **EIMET:** No

Shipboard and Ground-based Mobile VHF/UHF COMINT/DF and Extended Signal Analysis System Operator Training and Shipboard and Ground-based Mobile VHF/UHF COMINT/DF and Extended Signal Analysis

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179527** | CIVCONTR | U | LITENING POD I-LEVEL MAINTENANCE | 2.6 | PGCR | Rolling Meadows, IL 60008 |

**ECL:** 70 **EIMET:** No

LITENING Pod I-Level Maintenance class room and hands on training to provide sufficient depth of knowledge about functionality of LITENING Pod's LRUs.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179536** | CURR 360 | U | OPERATIONS ANALYSIS-PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Four year degree program. See MASL P177714 for program description.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179537** | CURR 399 | U | MODEL VIR ENVIRON -PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

399 MODEL VIR ENVIRON -PHD Course Description: See MASL P179067 for curriculum description. The PHD is a 4 year program, depending on student qualifications.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179538** | CURR 570 | U | MECHANICAL ENGRG - PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The objective of this program is to provide graduate education, primarily in the field of Naval/Mechanical Engineering, to produce graduates with the technical competence to operate and maintain modern warships and naval systems. It establishes a broad background of basic engineering knowledge leading to advanced studies in heat transfer, fluid mechanics, control systems, solid mechanics and vibrations and material science. The graduate will be able to participate in technical aspects of naval systems acquisition for technological advances in naval ships, submarines, autonomous vehicles, and related weapon systems. Through emphasis on the design aspect within the program, the graduate will be well prepared to apply these advances in technology to the warships and submarines of the future. An original research project resulting in a finished thesis is an integral part of the curriculum. TACTICAL AND STRATEGIC MISSILE TECHNOLOGY AND DESIGN: The Department of Mechanical and Aerospace Engineering offers a Missile Systems Engineering Track within the framework of a Master's Degree in Mechanical Engineering. The program allows students to take courses related to tactical and/or strategic missile systems and can be completed in four to six quarters, depending on academic preparedness of the student. Additional course electives can be taken to enhance specialty areas, along with thesis research related to tactical or strategic systems, or a wide range of other useful military technologies. The missile track course sequence is taken in conjunction with courses required for the standard Masters of Science degree. The courses can be taken over the course of a year and cover the critical technology areas related to tactical and strategic missile analysis, design, fabrication, and operation. The primary courses of the track are: Missile Aerodynamics (October), Missile Guidance and Control (March), Advanced Missile Propulsion (January) and Tactical Missile Design (July). AUTONOMOUS SYSTEMS AND MILITARY ROBOTICS TECHNOLOGY AND DESIGN: The Department of Mechanical and Aerospace Engineering offers an Autonomous Systems Engineering Track within the framework of a Master's Degree in Mechanical Engineering. The program allows students to take courses related to the Military use autonomous systems and can be completed in six to eight quarters, depending on academic preparedness of the student. Additional course electives can be taken to enhance specialty areas, along with thesis research related to autonomous systems, robotics or a wide range of other useful military technologies. The sequence of special courses is taken in conjunction with courses required for the standard Masters of Science degree. The courses can be taken over the course of a year and cover the critical technology areas related to tactical and strategic missile analysis, design, fabrication, and operation. The primary courses of the track are: Introduction to the Military Use of Autonomous Systems, Control of Autonomous Systems, Navigation and Control of Single and Multiple Vehicles, and Autonomous Systems Lab. ENERGY SPECIALTY: The objective of this program is to provide graduate education, primarily in the field of Naval/Mechanical Engineering with a focus on Energy, including production, storage, and use. This program is designed to produce graduates with the technical competence to operate and maintain modern warships and naval systems. It establishes a broad background of basic engineering knowledge leading to advanced studies in heat transfer, fluid mechanics, control systems, solid mechanics and vibrations, material science, energy production, storage and usage. The graduate will be able to participate in technical aspects of naval systems acquisition for technological advances in naval ships and systems, particularly as they apply to energy. Through emphasis on the design aspect within the program, the graduate will be well prepared to apply these advances in technology to the warships of the future. An original research project focusing on either 'Energy, Power and Propulsion Systems' or 'Energy Materials' resulting in a satisfactory thesis is an integral part of the curriculum. Four year degree PHD.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Report Date : 11 Sep 16 (Fall) Course Length: 36 months - Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179539** | CURR 590 | U | ELECTRICAL ENGRG - PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Four year degree PHD. For course description information refer to Curriculum 590-MS, MASL P177712.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179541** | CURR 533 | U | ENGINEERING ACOUSTICS-PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

PHD. Four year program. For course description refer to Curriculum 533, MASL P179906.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179542** | CURR 368 | U | COMPUTER SCIENCE - PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

368 COMPUTER SCIENCE - PHD Description: Four Year degree. PHD. For course description refer to Curriculum 368, MASL P177713.

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179543** | N/A | U | 372 METEOROLOGY - PHD 4 YR | 208 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

**PRE-REQUISITE:** PhD applications must include the following: Full name, title/rank, date of birth Current mailing address, telephone and email. Department of the proposed major subject area. Description of current position and responsibilities. A brief outline (200 words or fewer) of specific areas of interest within the proposed major field of study. (For candidates pursuing a PhD in Security studies, an expository writing sample demonstrating potential to do work of high academic quality (master's thesis) in the proposed field of study.) Certified copies of all undergraduate and graduate transcripts. The academic records that you need to provide for forwarding to NPS should consist of a legible copy, in English, of the official transcript from each college and university that you attended. Transcripts should include the title or subject area of each course studied, the number of credit hours and the grade or score you received in each course, and the date and name of each degree and certificate that you have been awarded. Grading scale in use, as well as lowest passing marks, should also be shown. Results of a Graduate Record Examination (GRE) General Test taken within the last five-years. Two letters of recommendation. For international applicants not currently enrolled at NPS whose native language is other than English, or whose primary language of instruction was other than English, current results of the Test of English as a Foreign Language (TOEFL) are required. Minimum TOEFL Score required for direct entry to NPS is 100 IBT (Internet Based Test) or 603 (written test). Waivers will be considered on a case by case basis for scores between 90 and 100 based on the overall application package. Attestation by the student's sponsoring agency or nation that they are committed to tuition and salary support during the student's residence at NPS.

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179548** | N/A | U | CIVIL-MILITARY APPROACHES TO MARITIME SECURITY | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a two-week custom-designed Expanded International Education and Training (IMET) and Combating Terrorism Fellowship Program (CTFP) course entitled Civil-Military Approaches to Maritime Security. The course is conducted in Monterey, California for candidates from all IMET and CTFP recipient countries. The intended audience is mid- to senior-level military, civilian (typically from the ministries of Defense, Interior, Justice, or Foreign Affairs), and law enforcement agency members involved in the decision-making process surrounding national and international security issues. For this course, the most appropriate officials will be those having some responsibility for maritime security issues. Ordinarily, participants hold ranks of Lieutenant (O-3) through Rear Admiral and their civilian equivalents, depending on source country arrangements. The key objectives of this course are to provide instruction, discussion, case studies, and classroom exercises to: (1) Evaluate and prioritize all maritime transnational threats to participating nations. (2) Distinguish maritime terrorism from piracy and examine ways to deal with both phenomena. (3) Define ŒMaritime Domain Awareness¹ and the capacity of participating nations to deliver ŒMaritime Governance.¹ (4) Discuss the impact of ŒIllegal Maritime Trafficking¹ on Maritime Governance and Security. (5) Examine the issues relevant to port security. (6) Introduce a methodology for developing strategies to counter maritime terrorism and piracy. (7) Examine the mutually supportive roles of civil authority, military responses, and law enforcement agencies, emphasizing the need for interagency coordination. (8) Discuss the dynamics of international cooperation in the fight against maritime threats. (9) Learn the most effective ways governments can prepare for and manage the consequences of terrorist attacks in the maritime domain. CCMR tailors each of its courses to the specific conditions and requirements of the selected audience. This program is ten days in duration, focusing on the strategic and operational levels. It is not a course in maritime security tactics.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179594** | CIVCONTR | U | TRAINING SHIP SIMULATOR (TSS) TRAINING COURSE | 5 | PAME | Mississauga, Ontario, CN L5N 5N1 |

**ECL:** 55 **EIMET:** No

The training course that supports TSS training course shall include the following topics; General orientation including safety and security Maintenance training consisting of and overview of Organizational Level Maintenance Scenario development training consisting of lectures, e-learning based training and hands-on training Operational training covering instructor functions consisting of lectures e-learning based training and hands on training. E-learning instructor related training

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179595** | CIVCONTR | U | NAVAL TACTICAL TEAM TRAINER (NTTT ) JD COURSE | 5 | PAME | Mississauga, Ontario, CN L5N 5N1 |

**ECL:** 55 **EIMET:** No

The Naval Tactical Team Trainer (NTTT) was designed by Amel to provide realistic training to naval trainees in the following areas: --Anti-air, anti-surface, anti-submarine, multi-threat and combined warfare operations --Asset management --Sensor and weapon operation and deployment --Decision-making with incomplete/unreliable information --Contingency planning Trainees engage in a naval simulation environment through student consoles with HMIs representing specific simulations (e.g., radar display). The NTTT includes simulated systems such as sonar, radar, electronic warfare, communications intercept, electro-optical and infrared, weapon systems, tracking, and datalink.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179598** | SA101.01 | U | INTRODUCTION TO SPECIAL ACCESS PROGRAMS (SAP) | 0.8 | PDSN | Linthicum, MD 21090 |

**ECL:** 85 **EIMET:** No

This course introduces students to Department of Defense (DoD) Special Access Programs (SAPs). The course describes the SAP environment and discusses the interaction among the executive, legislative, and judicial branches of Government in establishing SAP policy. The roles and responsibilities of oversight and support offices and agencies, and mandatory SAP requirements are reviewed. Lessons address security enhancements across security disciplines, compliance inspection and their requirements, annual reviews, and audits.

**PRE-REQUISITE:** Successful completion of the following CDSE courses, webinars, Job Aid(s), shorts/videos, exams: 1. Introduction to Information Security Course and Exam (CIN: IF011.16 and IF011.06; MASL: N/A) This course provides an introduction to the Department of Defense (DoD) Information Security Program. The Introduction to Information Security course provides students with a basic understanding of the legal and regulatory basis for the program and how the program is implemented throughout DoD. After completing this course, the student will be familiar with the DoD Information Security Program. 2. Introduction to Personnel Security Course and Exam (CIN: PS113.16 and PS113.06; MASL: N/A) This course introduces the management practices and procedures required to administer the Department of Defense (DoD) Personnel Security Program (PSP) at the military base/installation level. The course provides an overview of the elements of the PSP to include: designation of sensitive duties; investigative and adjudicative practices; security officer responsibilities under the PSP one-time access requirements; special security program requirements; and due process procedures. The course identifies the types of personnel security investigations (PSIs), the position sensitivity or duties associated, and the agency authorized to conduct PSIs. 3. Marking Classified Information Course and Exam (CIN: IF105.16 and IF105.06; MASL: N/A) This course provides the requirements and methods for marking classified information and other classified materials. Lessons address general marking requirements, marking originally classified information, derivatively classified information, changes in markings, marking special types, and categories of materials and information. 4. Special Access Program (SAP) Overview Course and Exam (CIN: SA001.16 and SA001.06; MASL: N/A) This course will provide students with an overview of the Department of Defense (DoD) Special Access Program (SAP) environment, including its history, purpose, lifecycle, approval process, and roles and responsibilities. 5. Developing a Security Education and Training Program Course and Exam (CIN: GS104.16 and GS104.06; MASL: N/A) This course is an interactive Web-based course. The course provides a thorough understanding of the DoD and National Industrial Security Program (NISP) policy requirements, best practices, and instructional methods for developing and implementing a security education and training program. After completing this course, the student will be familiar with the requirements for security education and training program and the knowledge to develop a program at student location. 6. Transmission and Transportation for DoD Course and Exam (CIN: IF107.16 and IF107.06; MASL: N/A) This course examines the requirements and methods for transmitting or transporting classified information and other classified material in accordance with Department of Defense (DoD) Information Security Program requirements. Lessons explain policy, documentation, preparation, dissemination requirements for specific types of information, and authorized transmission and transportation methods. 7. Introduction to Physical Security Course and Exam (CIN: PY011.16 and PY011.06; MASL: N/A) This course provides an introduction to the Department of Defense (DoD) Physical Security Program. The Introduction to Physical Security course provides students with a basic understanding of the theories and principles involved in the application of physical security in the protection of DoD assets. The course focuses on physical security, the roles people play in the physical security program, and physical security planning and implementation. In addition, it introduces the concept of security-in-depth and explores how countermeasures are developed and deployed to deter, delay, detect, or prevent attacks. 8. The following webinars are required: Download the transcript for reference. -Defining OPSEC in SAPs -Security Compliance Inspection Process…Help! 9. The following Job Aid is required: Click on Reference and download the material. -How to Complete DD Form 254 Performance Support Guide (Course) 10. The following shorts/video are required: Download the student guide or transcript as appropriate for reference. Special Access Programs (SAPs) Security Incidents -Packaging Classified Documents 11. Phase I Comprehensive Examination: Assigned 60 days prior to the course start date and will appear in the "TO DO" list in the student's STEPP account. For example, if a course is scheduled to begin on May 1, the examination will be assigned March 1. Students have three attempts to pass the Phase I comprehensive examination. -The passing score is 80 percent. -The examination has a one hour time limit and is open book. Students who do not pass the examination on the first or second attempt must wait a minimum of 24 hours between examinations before making another attempt. The registrar will unblock the examination after the 24 hour wait period ends.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179599** | SA201.01 | U | SAP MID-LEVEL SECURITY MANAGEMENT (SAP MLSM) | 1 | PDSN | Linthicum, MD 21090 |

**ECL:** 85 **EIMET:** No

This course offers an in-depth explanation of Special Access Program (SAP) security management. The course focuses on student ability to determine enhanced security requirements, based on the threat and vulnerability of SAPs. Students are given scenarios to practice adjusting security countermeasures throughout the SAP lifecycle in response to the changing threat. Students review, revise, or write security-related supporting documentation such as a treaty, physical security, and transportation plans.

**PRE-REQUISITE:** A minimum of two years of experience in a DoD SAP is required to attend this course. A waiver for this requirement can be granted only by student's respective SAPCO. Successful completion of the following CDSE courses: 1. "Introduction to Special Access Programs" (CIN: SA101.01; MASL: P179598) This course introduces students to Department of Defense (DoD) Special Access Programs (SAPs). The course describes the SAP environment and discusses the interaction among the executive, legislative, and judicial branches of Government in establishing SAP policy. The roles and responsibilities of oversight and support offices and agencies, and mandatory SAP requirements are reviewed. Lessons address security enhancements across security disciplines, compliance inspection and their requirements, annual reviews, and audits. 2. "Risk Management for DoD Security Programs Course" and Exam (CIN: GS102.16 and GS102.06; MASL: N/A) This course introduces the Risk Management Framework (RMF) and Cybersecurity policies for the Department of Defense (DoD). The course will address the current state of Cybersecurity within DoD and the appropriate transition timelines. In addition, it identifies the six steps of the RMF and highlights the key factors to each step. 3. "Introduction to the Risk Management Framework Course" and Exam (CIN: CS124.16 and CS124.06; MASL: N/A) This course outlines the risk management process: a systematic approach to acquiring and analyzing the information necessary for protecting assets and allocating security resources. It will provide security professionals with an analytical risk management process addressing five steps: Asset Assessment, Threat Assessment, Vulnerability Assessment, Risk Assessment, and Countermeasure Determination.

**COURSE NOTES:**

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| **P179603** | N/A | U | TRAIN-THE-TRAINER COURSE (T-3) | 2 | PCMR | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Train-the-Trainers (T-3) course. The aim of the T-3 is to enhance the skills of trainers to enable them to develop Situational Training Exercises (STX) based on peacekeeping mission mandates, essential tasks and implied tasks to achieve that mandate at the tactical level. The T-3 course leads participants through an analytical model of analyzing the mandate, identify the above tasks and to develop STXs. The target audience is national training center staff (or unit staff, if no training center exists), and battalion/company/platoon officers/NCOs who require the same skills to develop their training programs before deployment to a specific mission. The course is ideally suited for national trainers or unit training officers (Lieutenant - Major) with contingents earmarked for deployment to UN peacekeeping operations. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Host nations can conduct this course as either regional events open to participants from the region or world-wide, or as national courses, bilaterally with the US. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. The training methodology is centered on presentations by Subject Matter Experts (SMEs) in conjunction with group and plenary discussions. Course Details: The T3 can be conducted in residence at the Naval Postgraduate School (MASL P179603) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309103) or a regional (MASL P273013) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the PKOIC. Participants could be from any GPOI participating countries in the region or world-wide; they could also be from non-GPOI participating countries, but those candidates should use IMET/EIMET or be self-funded. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping operations. Training Objectives: The T-3 course enhances capacities of nations to better engage in peacekeeping by developing peacekeeping training capabilities internal to their training institutions and, overall, increases the number of trained training officers available to support UN peacekeeping missions. Standing objectives of the T-3 are to: examine major issues in modern peace support operations; understand the UN's role in peacekeeping operations education and training; examine a top down planning model; list UN Common Peacekeeping Tasks; describe a process and products for developing situational lane trainings; and allow participants to practice the described process. Course Instructors: The resource staff for the T-3 course will consist of three to four SMEs. Participants: The optimum course size is 30 students. These individuals are identified among GPOI participating countries in the region or worldwide. Participant rank or grade should be equivalent to Lieutenant - Major. Previous peacekeeping experience is desirable but not required. Preference should be given to nominees with a training responsibility or officers serving with units earmarked for deployment to peacekeeping operations.

**PRE-REQUISITE:**

**COURSE NOTES:** This is the In-Resident course. For the Host country see MASL P309103 and for the Regional MASL see P273013.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179605** | A- 4N-0200 | U | JOINT DIVING OFFICER (JDO) | 18 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

The Joint Diving Officer Course is designed to provide initial pipeline training for officers assigned to a diving command. This course trains U.S. Navy and Army officers to safely and effectively perform as a diver, dive team member, Diving Supervisor, and a Diving Officer IAW the U. S. Navy Diving Manual and approved technical manuals. The course provides instruction in diving physics; diving medicine; recompression chamber operation and maintenance; Self-Contained Underwater Breathing Apparatus (SCUBA) equipment operation and maintenance; surface supplied diving (SSD) techniques, procedures, systems, and equipment; advanced diving medicine, Divers Life Support Systems (DLSS) certification procedures; air diving supervisor procedures; hydraulic tools operation and maintenance; underwater cutting equipment operation and maintenance; underwater welding equipment operation and maintenance; basic ship construction and salvage equipment operation; salvage calculations; hydrographic survey procedures; side scan SONAR operations; remotely operated vehicle (ROV) operations; and swift water diving operations. This course qualifies personnel to safely and effectively perform as a diver and dive team member to a depth of 190 FT per approved technical manuals and the US Navy Dive Manual.

**PRE-REQUISITE:** ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** (1) Attendance at NITC Dive Prep (MASL: PREPDIV) is mandatory for all students prior to training at NDSTC. (2) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. (3) Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Students cannot be pregnant. (4) Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. A) The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). B) A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. C) A copy of the forwarding letter shall be provided to NETSAFA. D) All medical requirements must be completed prior to arrival at the course site. (5) This course is reserved for International Military Officer students under the Foreign Military Sales (FMS) Program and International Military Education and Training (IMET) Program. (6) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required. (7) Students must have a physiological and psychological screening test before attending this course of instruction. (8) Prerequisites must be completed prior to arrival at course site. Physical and medical requirements for this course can be found in the NDSTC IMS Handbook located on line: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:** JOINT DIVING OFFICER (JDO) ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** International Note(s): THE INDIVIDUAL ITO MUST BE ENDORSED (SPECIAL REMARKS SECTION): "MANDATORY PHYSICAL TRAINING IS REQUIRED. REFUSAL TO PARTICIPATE SHALL RESULT IN DISMISSAL." (See Prerequisite Text for more information.) STUDENTS MUST BE PREPARED TO PARTICIPATE IN DAILY, STRENOUS EXERCISE FOR APPROXIMATELY ONE HOUR. THIS INCLUDES THREE-MILE RUNS, 1,000 YARD SWIMS AND NUMEROUS CALISTHENICS. STUDENTS SHOULD REPORT FIVE WORKING DAYS PRIOR TO CONVENING DATE FOR ACCLIMATION AND ADMINISTRATIVE PROCESSING. STUDENTS MUST REPORT WITH MEDICAL AND DENTAL RECORDS. PRIOR TO ENROLLING IN THIS COURSE, STUDENTS SHOULD BE THOROUGHLY FAMILAIR WITH ADDITIONAL TRAINING RESOURCES FOUND ON THE NDSTC WEBSITE: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P179606** | A-433-0022 | U | SECOND CLASS DIVER | 18.2 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

The Second Class Diver (ND2C) Course, A-433-0022, is designed to provide initial pipeline school training for qualified personnel for assignment to the general rating of NAVY DIVER (ND) and NEC 5343. This course qualifies personnel to safely and effectively perform as a diver and dive team member per approved technical manuals and the U.S. Navy Diving Manual. This course provides instruction in diving physics, medicine, surface supplied diving, recompression chamber operations and maintenance, hydraulic tools and operations, underwater cutting and welding, divers life support systems and quality assurance procedures, basic demolition operations, SCUBA, MK-16 underwater breathing apparatus, MK-25 underwater breathing apparatus, basic ships construction, and salvage equipment operation. This course qualifies personnel to safely and effectively perform as a diver and dive team member to a depth of 190 FT per approved technical manuals and the US Navy Dive Manual.

**PRE-REQUISITE:** SECOND CLASS DIVER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** Prerequiste Text: (1)Attendance at NITC Dive Prep (MASL: PREPDIV) is mandatory for all students prior to training at NDSTC. (2) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. (3) Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Students cannot be pregnant. (4) Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. a) The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). b) A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. c) A copy of the forwarding letter shall be provided to NETSAFA. d) All medical requirements must be completed prior to arrival at the course site. (5) This course is reserved for International Enlisted personnel under the Foreign Military Sales (FMS) Program and International Military Education and Training (IMET) Program. (6) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required. (7) Students must have a physiological and psychological screening test before attending this course of instruction. (8) Prerequisites must be completed prior to arrival at course site. Physical and medical requirements for this course can be found in the NDSTC IMS Handbook located on line: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:** SECOND CLASS DIVER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** International Note(s): THE INDIVIDUAL ITO MUST BE ENDORSED (SPECIAL REMARKS SECTION): "MANDATORY PHYSICAL TRAINING IS REQUIRED. REFUSAL TO PARTICIPATE SHALL RESULT IN DISMISSAL." (See Prerequisite Text for more information.) STUDENTS MUST BE PREPARED TO PARTICIPATE IN DAILY, STRENOUS EXERCISE FOR APPROXIMATELY ONE HOUR. THIS INCLUDES THREE-MILE RUNS, 1,000 YARD SWIMS AND NUMEROUS CALISTHENICS. STUDENTS SHOULD REPORT FIVE WORKING DAYS PRIOR TO CONVENING DATE FOR ACCLIMATION AND ADMINISTRATIVE PROCESSING. STUDENTS MUST REPORT WITH MEDICAL AND DENTAL RECORDS. PRIOR TO ENROLLING IN THIS COURSE, STUDENTS SHOULD BE THOROUGHLY FAMILAIR WITH ADDITIONAL TRAINING RESOURCES FOUND ON THE NDSTC WEBSITE: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179607** | A-433-0025 | U | FIRST CLASS DIVER | 13.4 | PDIV | Panama City, FL 32407 |

**ECL:** 80 **EIMET:** No

This course provides instruction in advanced physics, diver life support maintenance and quality assurance, advanced medicine and recompression chamber procedures, salvage and underwater ships husbandry planning and operations, closed circuit mixed gas operations and procedures, surface supplied air and mixed gas diving operations and procedures, and casualty control procedures. This course instructs personnel in Operational Risk Management (ORM) and planning to safely and effectively supervise diving to a depth of 300 feet, salvage, underwater ship repair, and re-entry control operations per approved technical manuals and the U.S. Navy Diving Manual.

**PRE-REQUISITE:** FIRST CLASS DIVER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** NDSTC IMS Handbook an be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf US Navy Dive Manual: http://www.supsalv.org/00c3_publications.asp?destPage=00c3&pageid=3.9 Training Resources and physical and medical screening (DD Form 2807-1, DD Form 2808) can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 Students cannot be pregnant. 1) Successful completion of P179606, SECOND CLASS DIVER (A-433-0025), is mandatory for all students prior to enrolling in this course. 2) Candidate must conform to Navy Physical Standards IAW OPNAVINST 6110.1 (Series) as well as the requirements set forth in MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. 3) Candidate must pass Diver Physical Screening Test. 4) Candidate must complete Diving Salvage Warfare Specialist (DSWS) qualification. 5) Candidate must complete HEO2/Saturation Diver course through Navy E-Learning. 6) Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. NAVMED P117: Click on Chapter 15 and search for 15-102: http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx 7) Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. A) The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). B) A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is 1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. C) A copy of the forwarding letter shall be provided to NETSAFA. D) All medical requirements must be completed prior to arrival at the course site. 8) This course is reserved for International Enlisted personnel (E5-E6 or equivalent) under the Foreign Military Sales (FMS) Program and International Military Education and Training (IMET) Program. 9) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required. 10) Students must have a physiological and psychological screening test before attending this course of instruction.

**COURSE NOTES:** FIRST CLASS DIVER ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** International Note(s): THE INDIVIDUAL ITO MUST BE ENDORSED (SPECIAL REMARKS SECTION): "MANDATORY PHYSICAL TRAINING IS REQUIRED. REFUSAL TO PARTICIPATE SHALL RESULT IN DISMISSAL." (See Prerequisite Text for more information.) STUDENTS MUST BE PREPARED TO PARTICIPATE IN DAILY, STRENOUS EXERCISE FOR APPROXIMATELY ONE HOUR. THIS INCLUDES THREE-MILE RUNS, 1,000 YARD SWIMS AND NUMEROUS CALISTHENICS. STUDENTS SHOULD REPORT FIVE WORKING DAYS PRIOR TO CONVENING DATE FOR ACCLIMATION AND ADMINISTRATIVE PROCESSING. STUDENTS MUST REPORT WITH MEDICAL AND DENTAL RECORDS. PRIOR TO ENROLLING IN THIS COURSE, STUDENTS SHOULD BE THOROUGHLY FAMILAIR WITH ADDITIONAL TRAINING RESOURCES FOUND ON THE NDSTC WEBSITE: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0

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| **P179608** | C-102-0135 | U | TACMOBILE ADP | 4 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Electronics Technician will have sufficient knowledge and skills to operate and maintain Automated Data Processing (ADP) Suite software and hardware. These journeyman level skills are to be performed under limited supervision following all safety precautions in both field and shop conditions while globally deployed to operating locations ashore. SCOPE: Instruction includes introduction to the TOC/Mobile systems ADP Suite, network components, Windows servers, blade servers, NAVMAC servers and Uninterruptible Power Supply (UPS), peripherals, setup and configuration of the TOC and Mobile Systems ADP Suite.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179609** | C-101-0308 | U | TACMOBILE TADIL | 2 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Upon completion of this course, Electronics Technicians and Operations Specialists will have sufficient knowledge and skills in configuring, maintaining, and operating the Tactical Mobile (TM) Tactical Digital Information Link (TADIL) system. These journeyman level skills are performed under limited supervision utilizing knowledge of Maritime Patrol and Reconnaissance Aircraft (MPRA) mission planning, federated applications, and external databases and programs while globally deployed to operating locations ashore. SCOPE: Instruction includes CNATT introduction, TADIL introduction, TADIL components, technical resources, TADIL system setup, system power on, TADIL configuation, corrective maintenance, TADIL operation, system power off, and system teardown.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179610** | FNDSKTRA | U | FUNDAMENTAL SKILLS TRAINING | 16 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 65 **EIMET:** No

Provides students with fundamental academic skills and practical knowledge in the following areas: Learning Skills, Vocabulary, Reading and Reading Comprehension, Mathematics, Interpretation of Graphics, Learning to Use a Manual, Physical Science, Job Skill Orientation, and Life Fitness. The intent of this fundamental skills training package is to provide students entry level ability in science, math, and technical comprehension. This course can be tailored to desired topic areas and length of training.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179612** | TCHTRELEC | U | TECHNICAL TRAINING IN ELECTRICITY AND ELECTRONICS | 8 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 65 **EIMET:** No

Provides the student with the academic skills and practical knowledge of fundamental electricity and electronics. This curriculum includes safety, magnetism, inductance, capacitance, resonance, transformers, generators, motors, power supplies, simple circuits, radio frequency communication, navigation, radar, and test and measuring equipment.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179613** | TCHTRMECH | U | TECHNICAL TRAINING IN MECHANICS | 8 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 65 **EIMET:** No

Provides the student with the academic skills and practical knowledge of fundamental mechanics. This curriculum is comprised of instruction in mechanical, fluid and electrical power systems, power plants, aerodynamics, support equipment, mechanical equipment and tools, and safety.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P179614** | TCHTRLOG | U | TECHNICAL TRAINING IN LOGISTICS/SUPPLY | 4 | POTD | NAS Pensacola, FL 32508 |

**ECL:** 65 **EIMET:** No

Provides the student with the knowledge and skills necessary to perform the basic job tasks required by the Navy's Storekeeper rating. Students will accomplish the following learning objectives through Computer Based Training (CBT), group-paced instruction and intensive practical exercises: Supply administration; material identification; material procurement; material receipt, stowage and handling; basic inventory management afloat; financial management. Areas covered will include the Navy Supply System, customer service, Navy correspondence, material identification and procurement, basic OPTAR accounting, material receipt, stowage and inventory control utilizing the Integrated Barcode System (IBS), supply forms, basic supply acronym and Military Standard Requisitioning and Issue Procedures (MILSTRIP) for effective performance as an apprentice supply technician under supervision.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179826** | CIVCONTR | U | CONTR SHIP INTRO | 1 | PSYD | Charleston, SC 29405-8227 |

**ECL:** 70 **EIMET:** No

To provide training for the Crews of Ships Transferred in accordance with SECNAVINST 4950.4(series) and the ship transfer legislation authorizing the transfer. On-board or ship introduction training will be by a Mobile Training Team (MTT) in areas not covered by formal schools or pre-structured team training. Areas considered appropriate for on-board training include: orientation and familiarization training for personnel, general military training, operation/maintenance training for basic equipments which are not sufficiently complex to justify formal training, and other mandatory training requirements, as determined by the country and the USN Ship Transfer Training Coordinator.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P179904** | CURR 370 | U | INFO SYS TECHNOLOGY-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

This curriculum provides officers with the knowledge of information systems technology to include computer and telecommunications systems, software engineering, networked and distributed applications, database management systems and decision support systems in the military services. Students will also gain proficiency in information systems, economics and management necessary for the critical management decisions needed in the development and utilization of complex and evolving computer-based military systems. Information Technology Management is an interdisciplinary, graduate-level master s program integrating mathematics, accounting, economics, statistics, computer science, information systems, communications engineering, networks and management discipline.

**PRE-REQUISITE:**

**COURSE NOTES:** THIS COURSE IS E-IMET ELIGIBLE. NOTE: ATTENDANCE IS LIMITED TO 25 PER YEAR, WITH INPUT AS FOLLOWS: SPRING (MAR/APR)--13; FALL (SEPT/OCT)--12. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179905** | CURR 820 | U | RESOURCE MGT INTDEF-MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

The Resource Planning and Management for International Defense curriculum is an interdisciplinary program designed exclusively for officers and civilian employees in defense agencies of other countries. This is an interdisciplinary program which integrates mathematics, accounting, economics, behavioral science, organization and management theory, operations/systems analysis, managerial communications, and international law into an understanding of the process by which the defense mission is accomplished. The program focuses on economic analysis, the management of financial, material, and human resources, domestic and international political institutions, civil-military relations, and the role of international law. The curriculum includes a combination of existing courses within the Graduate School of Business and Public Policy and the Department of National Security Affairs, and courses especially designed for this program. It provides techniques of quantitative problem-solving methods, behavioral and management science, economic analysis and financial management which will enable graduates to evaluate the written research, study and analysis products of others throughout their careers. In the majority of courses, international students will study and learn with U.S. students from several other management and national security affairs curricula.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179906** | CURR 533 | U | CMBSYS SCI/TEC-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

This program is designed to meet the needs of the military services for an officer having a broad-based advanced technical education applicable to combat systems design, development, test and evaluation, acquisition, operation, and support. The student does not earn a degree in Combat Systems. The majority of students earn a degree in Physics or Applied Physics. Degree specializations in Software Engineering, Mechanical Engineering, or Electrical Engineering are also available. Included in the core of the program are courses on electromagnetic radiation, signal processing, optoelectronics, servo and computer control systems, explosives and warheads, fluid dynamics of weapons, combat simulation, quantum devices, detection and engagement elements, combat systems integration, and computing resources for advanced combat systems. Additionally, the officer will take a sequence of four or more courses in one of the following concentration areas: electromagnetic sensors systems, weapons and effects, underwater acoustic systems, tactical missile systems, total ships systems engineering, or an engineering area related to combat systems. The officer will also conduct thesis research on a military relevant technical problem. Specific areas of specialization include-- MS Applied Physics Military Sensors Acoustics Weapons and Effects MS Engineering Acoustics Signal Processing Propagation MS AE - Missile Design MS Computer Science Artificial Intelligence - Robotics MSEE Electronic Warfare Communications Systems Computer Systems Software Engineering (MASL P179130)

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179907** | CURR 819 | U | SUPPLY CHAIN MGMT - MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

The Logistics Management curricula are interdisciplinary, integrating mathematics, accounting, economics, management theory, operations analysis and the specialty concentration into an understanding of the process by which the defense mission is accomplished. The program is designed to provide the officer with fundamental interdisciplinary techniques of quantitative problem-solving methods, behavioral and management science, economic analysis, and financial management; furthermore, it is intended to provide the officer with a Navy/Defense Systems-oriented graduate management education and to provide the officer with the specific functional skills required to effectively manage in this subspecialty area. The objective of these curricula is to prepare officers for naval logistics system positions. The Logistics Management curricula emphasize all of the aspects for providing integrated logistics support of military systems. Skills resulting from the curricula will prepare those responsible for managing the various segments of a military system's life cycle from initial planning for support to fielding the system, through sustaining operations to phase out. These curricula additionally emphasize the management of military owned inventories at the three levels of wholesale, intermediate and retail customer support, and worldwide transportation and distribution systems. The Logistics concentration subjects are significant components of the military supply chain and each provides unique and relevant education that meets the critical needs of the armed services. The specialized logistics courses concentrate on studies in production and project management, inventory management, integrated logistics support, procurement and contract administration, systems acquisition and logistics strategic planning.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179908** | CURR 815 | U | ACQUIS/CONT MGMT - MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

MBA program. This is an interdisciplinary program which integrates mathematics, accounting, economics, finance, behavioral science, management theory, operations/systems analysis and specific courses in acquisition and contracting. The 815 curriculum includes a concentration option in strategic purchasing. Student input includes officers and civilians from all DoD services, other federal agencies and allied nations. The curriculum is designed to provide officers and civilians with the skills to serve effectively in systems buying offices, field contracting offices, contract administration offices, and contracting policy offices.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179909** | CURR 816 | U | SYSTEM ACQUIS MGMT -MBA | 91 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

This is an interdisciplinary program designed to integrate business principles, management theory, operations/systems analysis, and engineering applications. It is uniquely tailored to Defense acquisition management and intensive exposure to the fundamental principles of the acquisition environment. The courses in this curriculum present the structure of acquisition management, the decisions and problems facing the defense acquisition manager, the various forces at work within industry and Government, and the impact of acquisition policies and strategies. Student input includes officers and civilians from all DoD Services, other federal agencies, and allied nations.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date: 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179910** | CURR 364 | U | SPACE SYSTEMS OPERATIONS (INTL) (MS) | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

A course of study modeled after Curriculum 366, Space Systems Operations, is available for international students. The Space Systems Operations curriculum is designed to provide officers with an appreciation for military opportunities and applications in space, comprehensive, practical as well as theoretical knowledge of the operation, tasking and employment of space surveillance, communications, navigation and atmospheric/oceanographic/environmental sensing systems and knowledge of payload design and integration.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 11 Sep 16 (Fall) Course Length: 6 months - Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179911** | CURR 526 | U | UNDERSEA WARFARE INTL-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

The Undersea Warfare Curriculum educates officers in the engineering fundamentals, physical principles and analytical concepts that govern operational employment of undersea warfare (USW) sensors and weapons. This interdisciplinary program divides naturally into four major academic areas, allowing the student to specialize in the area of choice and to complete a Master of Science in Engineering Acoustics (with emphasis on underwater acoustics and weapons effects), Physical Oceanography (with emphasis on environmental factors affecting acoustic surveillance), Electrical Engineering (with emphasis on signal processing), Operations Research (with emphasis on tactical applications and decision analysis), or in other disciplines depending on the student's academic background.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 12-36 months - Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179913** | CURR 827 | U | MATL LOGISTICS SPT MGT - MBA | 78 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** Yes

The Logistics Management curricula are interdisciplinary, integrating mathematics, accounting, economics, management theory, operations analysis and the specialty concentration into an understanding of the process by which the defense mission is accomplished. The program is designed to provide the officer with fundamental interdisciplinary techniques of quantitative problem-solving methods, behavioral and management science, economic analysis, and financial management; furthermore, it is intended to provide the officer with a Navy/Defense Systems-oriented graduate management education and to provide the officer with the specific functional skills required to effectively manage in this subspecialty area. The objective of these curricula is to prepare officers for naval logistics system positions. The Logistics Management curricula emphasize all of the aspects for providing integrated logistics support of military systems. Skills resulting from the curricula will prepare those responsible for managing the various segments of a military system's life cycle from initial planning for support to fielding the system, through sustaining operations to phase out. These curricula additionally emphasize the management of military owned inventories at the three levels of wholesale, intermediate and retail customer support, and worldwide transportation and distribution systems. The Logistics concentration subjects are significant components of the military supply chain and each provides unique and relevant education that meets the critical needs of the armed services. The specialized logistics courses concentrate on studies in production and project management, inventory management, integrated logistics support, procurement and contract administration, systems acquisition and logistics strategic planning.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 19 Jun 16 (Summer) or 27 Dec 16 (Winter) Course Length: 18 months Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P179914** | N/A | U | RESEARCH ONLY PROGRAM | 1 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

Research can be conducted at NPS in conjunction with independent post doctorial study or in conjunction with other university degree programs.

**PRE-REQUISITE:**

**COURSE NOTES:** Acceptance will depend on identifying suitable NPS faculty with expertise in the identified research area. Normal NPS admission and TOEFL requirements apply. Tuition is charged at a weekly rate and can be programmed from one week to three years. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P179918** | CURR 361 | U | JOINT OPER LOGISTICS-MS | 104 | PGS | Monterey, CA 93943 |

**ECL:** **EIMET:** No

This program provides education in mathematics, probability and statistics, physical science, economics, logistics and computer science. These disciplines supply the theoretical background for planning and analysis of Naval and Joint Logistics. The course of study develops skills in computational capability, identifying relevant information, generating decision criteria and selecting alternatives. This education enhances performance in all duties throughout a military career, including operational billets, technical management assignments, and policy making positions.

**PRE-REQUISITE:**

**COURSE NOTES:** Report Date : 13 Mar 16 (Spring) or 11 Sep 16 (Fall) Course Length: 24 months. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P195011** | N/A | U | MK41 VLS BASELINE V TO VII ISEA/FSR DELTA COURSE | 3 | PWSE | Port Hueneme, CA 93043-4307 |

**ECL:** 80 **EIMET:** No

The Vertical Launching System Baseline V to VII ISEA/FSR Delta Training Course is the major system theory, operation, fault isolation, and repair course. Course provides students with in-depth theory; experience and safety awareness required to operate/maintain and repair the Mk 41 Vertical Launching System BL VII. Students will learn operational theory and "next higher level" fault isolation from a systems view with emphasis on the interaction between the major equipment components of VLS and the interaction between VLS and the Weapon Control System (WCS). The BL V to VII Delta Course includes, but is not limited to the following topics. 1. BL VII Intro 2. BL VII Power Distribution 3. MK 5 LSEQ 4. MK 448 Mod 1 MCP 5. MK 179 Programmable Power Supply 6. MK 235 LCU 7. Launch Control System Fault Isolation

**PRE-REQUISITE:** Students must be graduates of MK 41 VLS ISEA/FSR Course MASL P195125

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P195019** | CIVCONTR | U | SEARAM SYSTEM TRAINING | 4 | PHTF | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

SeaRAM (2-system/1RCS configuration) training. Purpose of this course is to provide training on the basic operation, preventive and corrective maintenance on the MK 15 SeaRAM subsystems and equipment under all conditions of readiness on land, in port or underway. Training provided in the following areas: SeaRAM hardware difference; Safety; Operations; Radar; Communications loop; guide mount assembly; Built In Test Equipment (BITE); Maintenance; Ancillary equipment; loading/unloading; Fall Protection Refresher training.

**PRE-REQUISITE:**

**COURSE NOTES:** 1. Students should have previously received MK 15 Phalanx Block 1B Baseline 1 Operation and Maintenance training. This training can be indigenous or provided by the USN (CIN A-113-0043) 2. Students should bring steel toed shoes to participate in the course's lab activities. Contractor will provide all the other safety items (Safety harness, hard hats, gloves).

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P195125** | S-121-1004 | U | MK41 VLS ISEA/FSR TRNG | 10 | PWSE | Port Hueneme, CA 93043-4307 |

**ECL:** 80 **EIMET:** No

The VLS Basic ISEA/FSR Training Course is the major system theory, operation, fault isolation, and repair course. Course provides students with in-depth theory; experience and safety awareness required to operate/maintain and repair the Mk 41 Vertical Launching System. Course also provides instruction designed to assist in system installation and check-out. Students will learn operational theory and "next higher level" fault isolation from a systems view with emphasis on the interaction between the major equipment components of VLS and the interaction between VLS and the Weapon Control System (WCS). This course is a requirement for all field service engineers and technicians planning to attain official certification as a VLS System Maintenance Technician (SMT). Successful completion of this course is required prior to performing work on the Mk 41 Launcher. Satisfactory completion of this course is the first requirement of the U.S. Navy Mk 41 VLS Personnel Certification Program. Additional field experience is required prior to applying for SMT certification. Official SMT certification is granted by PHD-NSWC after completion of the PCP. This course is offered to foreign navies who have adopted a similar PCP to certify their own MK 41 VLS installation and operational personnel, subject to NAVSEA concurrence. Topics include: Introduction to the Mk 41 Vertical Launching System, Gas Management System, Power Distribution System, Deluge, Sprinkler, Launcher Drainage and Plenum Drain Systems, Anti-Icing System, Launch Functions and Launch Control System, System Installation and Special Test Equipment, Strikedown and Replenishment System, System Fault Isolation, Data Reduction, and Missile Safety Report. TARGET AUDIENCE: Engineers and Technicians entering the Mk 41 VLS Personnel Certification Program (PCP) and others requiring an in-depth understanding of the theory, operation, fault isolation and repair of the Mk 41 Vertical Launching System.

**PRE-REQUISITE:** Military personnel must be graduates of a Mk 41 VLS O&M or equivalent course

**COURSE NOTES:** Course length for FMS countries is 7 to 10 weeks, depending on baselines, configurations and missile variants.

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| **P195135** | N/A | U | MK41 VLS INTRODUCTION | 2 | PWSE | Port Hueneme, CA 93043-4307 |

**ECL:** 70 **EIMET:** No

This course provides a thorough technical introduction to the terminology, capability, and theory of operation of the Mk 41 VLS. Personnel with a technical background will learn VLS theory and can quickly gain an understanding of the various VLS technical documents and maintenance requirements. This course also provides program office and staff personnel with an introduction to the abbreviations and terminology of VLS. This course has the capability of being tailored to the specific Mk 41 VLS MOD customer requirements. Topics include: Safety Design Precepts, Cardinal Rules and PCP System capabilities, characteristics, abbreviations, terms and documentation, Security requirements, System physical description, description of all major sub-systems and equipment Functional description, signal flow, control, sequential operation, and indicators, Combat Systems interface description, Normal operation, casualty mode operation, displays and indicators, preventive and corrective maintenance and maintenance policy TARGET AUDIENCE: Prospective Commanding Officers, Prospective Executive Officers, Weapons Officer, Combat Systems Officer, Missile Officer, and other personnel requiring a basic technical familiarity of the Mk 41 Vertical Launching System. Minimum/Maximum number of students: 1/12

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P195152** | CIVCONTR | U | SM-2 MISSILE THEORY OF OPERATIONS | 0.6 | PHTF | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

STANDARD MISSILES-2 THEORY OF OPERATION (MK698 GMTS)

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P195153** | CIVCONTR | U | SM-2 MISSILE ASSEMBLY/DISASSEMBLY/INSPECTION | 1 | PHTF | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

Provide the student with the skills and knowledge necessary to disassemble, assemble, and perform a component and complete round inspection of SM-1 Missile. This course includes but is not limited to the following topics: Understanding of Documentation (SMPDs) Component and complete round receipt/issue inspections Missile assembly/disassembly w/wo TLM Ordnance Safety & Handling Equipment familiarization TARGET AUDIENCE: Missile Maintenance Technicians LOCATION: Requestors location or Raytheon Missile Systems Tucson, AZ CLASS SIZE LIMIT: Minimum 2, Maximum 8 AVAILABLILITY: Courses will be available upon request and instructor availability.

**PRE-REQUISITE:** Should pass English Comprehension Level (ECL) test with a minimum score of 70%. Ordnance handling and basic hand tool skills.

**COURSE NOTES:** TARGET AUDIENCE: Missile Maintenance Technicians LOCATION: Requestors location or Raytheon Missile Systems Tucson, AZ CLASS SIZE LIMIT: Minimum 2, Maximum 8 AVAILABLILITY: Courses will be available upon request and instructor availability.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P195154** | CIVCONTR | U | VLS MK41 OPS/MT/MAG SPKLR | 8 | PLMB | Baltimore, MD 21220 |

**ECL:** 70 **EIMET:** No

A combination of VLS MK41 OPS/MT (P195990/A-121-0569 and Magazine Sprinkler System (P145068) and taught by contractor Lockheed Martin Baltimore. Provides students with a basic understanding of how to operate the MK 41 VLS in all modes and configurations, observing all safety precautions. Students learn how to perform scheduled and unscheduled maintenance as well as fault isolation and repair to the lowest replaceable unit using the required technical manuals and procedures. Operation and maintenance is taught from an equipment viewpoint. Second aspect of training is to train personnel in proper operation, testing casualty analysis, preventive maintenance, and repair of salt water activated magazine sprinkler systems and associated thermo-pneumatic automatic controls. Course includes classroom and laboratory instruction including theory of operation, valves, thermo-pneumatic controls and piping. During practical sessions students operate, test, isolate casualties, and repair operational classroom mock-up sprinkler systems. Tailored to country requirements. PREREQ INFO: Basic Electricity and Electronics(BE&E) background required. BE&E training can be obtained using own country assets or by attending U. S. training course, Advanced Electronics Technical Core, A-100-0139.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P195155** | CIVCONTR | U | SM2 MISSILE CONTAINER HANDLING | 1 | PHTF | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

Provides the student with the skills and knowledge necessary to safely pack, unpack, & inspect Missiles and components and inspect and handle “all-up round” SM-1 Missile containers and associated component containers. This course includes but is not limited to the following topics: -Understanding of Documentation (SMPDs) -Can / Decan and MRI of an All-up-Round Missile -Pack, unpack, & Inspection of components, including container markings and labeling -Container Inspection -Limited Container Maintenance -Handling Equipment Familiarization & Use -Safety Precautions

**PRE-REQUISITE:** PREREQUISITES: Should pass English Comprehension Level (ECL) test with a minimum score of 70%. Ordnance handling & basic hand tool skills.

**COURSE NOTES:** TARGET AUDIENCE: Missile Maintenance Technicians LOCATION: Requestors Location or Raytheon Missile Systems, Tucson, AZ CLASS SIZE LIMIT: Minimum 2, Maximum 8 AVAILABLILITY: Courses will be available upon request and instructor availability.

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|---|---|---|---|---|---|---|
| **P195159** | CIVCONTR | U | NATO SEASPARROW MISSILE RIM-7/RIM7P VL FAM | 0 | PHTF | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

NATO Seasparrow Missile RIM-7/RIM7P VL Familiarization: *Presentation of the missile main components with interface to launcher MK-29 and MK-41 *Detailed presentation of the missile and its functions *Presentation and short description of missile testing with the test set DSM-156 *Presentation of the Jet Vane Control (JVC) with regard to main components *Detailed Presentation of the JVC and its functions *Presentation and short description of testing the JVC with test set DSM-156

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P195188** | CIVCONTR | U | SM2 VLS ENCAN/DECAN | 1 | PHTF | Tucson, AZ 85756 |

**ECL:** 70 **EIMET:** No

SM-2 ENCAN/DECAN Provides the student with the skills and knowledge necessary to safely and efficiently install and remove Standard Missile from the MK 13 VLS canisters and perform tests using the MK 680 Combined Missile Test Set (CMTS). This course includes, but is not limited to, the following topics: . Understanding and Use of SMPDs . MK 13 Canister VLS Overview . Canister Inspection . MK 680 CMTS Self Test and Operation . Canister Testing and Missile Can and Decan . Canister Code Plug Configuration and Recertification . Safety Precautions TARGET AUDIENCE: Missile maintenance technicians

**PRE-REQUISITE:**

**COURSE NOTES:** CLASS SIZE LIMIT: Minimum two, maximum eight AVAILABILITY: Courses will be available upon request, depending on instructor availability. Please contact your NETSAFA Country Representative

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P195992** | A-121-0571 | U | VLS MK41 OPS/MT (SP SP) | 13.4 | PFCS | San Diego, CA 92136-5588 |

**ECL:** 70 **EIMET:** No

This is an FMS only version of the military Operation and Maintenance course taught at FTC San Diego and is tailored to meet the specific FMS requirements of a specific country and ship class. The course provides students with a basic understanding of how to operate the MK 41 VLS in all modes and configurations, observing all safety precautions. Students learn how to perform scheduled and unscheduled maintenance as well as fault isolation and repair to the lowest replaceable unit using the required technical manuals and procedures. Operation and maintenance is taught from an equipment viewpoint.

**PRE-REQUISITE:** Basic Electricity and Electronics(BE&E) background required. BE&E training can be obtained using own country assets or by attending U. S. training course, Advanced Electronics Technical Core, A-100-0139.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P262000** | MET-PDR | U | MET DRMI (MIDMC) REGIONAL | 2 | VAR | |

**ECL:** 80 **EIMET:** Yes

The regional MET is used to program students from various countries attending a DRMI MIDMC in an OCONUS host country. It is not used to program host country participants. See MASL P319016 for MIDMC course description.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P262001** | N/A | U | MAINTENANCE MANAGER/PORT ENGINEER TRAINING PLAN | 3 | PSAS | Sasebo, Japan |

**ECL:** **EIMET:** No

This is a 3 week course intended to prepare Port Engineering students for all management aspects of a ship's life cycle maintenance, at small to mid-sized shipyard facilities. Topics will begin with an overview presented by the instructor followed by "hands-on" observation of the process aboard ship, on the waterfront, or in a specific SRF Division. Each student will work with a ship's assigned Port Engineer as he receives a work request, verifies its content, and ship-checks if required, edits the work request, and screens it to a proposed executing activity. Each student will assist a planner to draft a repair specification, compile a material list and confirm the government cost estimate. The student will then track the job as material is ordered and the job is assigned to an executing activity (in-house or civilian contractor). Finally the student will observe and participate in the waterfront management process which includes tracking job progress, up-dating production schedules as required, verifying and approving growth and new work, and scheduling QA and test events while insuring that all shipboard and industrial safety requirements are being met by the crew and all maintenance providers.

**PRE-REQUISITE:**

**COURSE NOTES:** THIS COURSE IS COUNDUCTED IN SASEBO, JAPAN*** It is highly recommended that students arrive with either US Dollars or Japanese Yen. Yen may be procured from arrival Airport Currency Exchange Booths or from arrival Airport ATMs.

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|---|---|---|---|---|---|---|
| **P271000** | OVERSEAS-NAPLES | U | COMBINED FORCE MARITIME COMPONENT CDR FLAG NAPLES | 1 | PNWI | Newport, RI 02841 |

**ECL:** 80 **EIMET:** No

A NAVWARCOL team teaches the CFMCC Flag Course which addresses the challenges of commanding and controlling Combined Maritime Forces at the operational level to achieve maritime security objectives. The attendees are one and two-star flag and general officers from the US military services and other nations in a specific region. Throughout the course, senior officers and officials from the US and other nations offer their perspectives on issues relevant to combined maritime operations. Attendees also work through case studies focusing on regional issues. The objectives of the course are to: 1. Develop and deepen relationships based on trust and confidence among partner nations in the framework of regional challenges. 2. Serve as a forum to evolve Combined Maritime Command and Control concepts and mechanisms, and eliminate impediments to effective coordination. 3. Advance the understanding of those security issues facing participating nations. 2010 Conference: Location Code PNWI Naples, Italy

**PRE-REQUISITE:** Attendees from foreign nations are solicited by invitations to specific nations that are selected by the Chief of Naval Operations each time the course is held.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P271001** | OVERSEAS-BAHRAIN | U | COMBINED FORCE MARITIME COMPONENT CDR FLAG BAHRAIN | 1 | PNWB | Manama, Bahrain |

**ECL:** 80 **EIMET:** No

A NAVWARCOL team teaches the CFMCC Flag Course which addresses the challenges of commanding and controlling Combined Maritime Forces at the operational level to achieve maritime security objectives. The attendees are one and two-star flag and general officers from the US military services and other nations in a specific region. Throughout the course, senior officers and officials from the US and other nations offer their perspectives on issues relevant to combined maritime operations. Attendees also work through case studies focusing on regional issues. The objectives of the course are to: 1. Develop and deepen relationships based on trust and confidence among partner nations in the framework of regional challenges. 2. Serve as a forum to evolve Combined Maritime Command and Control concepts and mechanisms, and eliminate impediments to effective coordination. 3. Advance the understanding of those security issues facing participating nations.

**PRE-REQUISITE:** Attendees from foreign nations are solicited by invitations to specific nations that are selected by the Chief of Naval Operations each time the course is held. 2010 Conference: Location ~ Manama, Bahrain It is essential the attendee be a commodore or rear admiral. In the case where a flag officer or general officer may be too senior, a senior captain or colonel with clear potential for selection and promotion may be designated. Students must have an English Comprehension Level of 80 or higher on the ECL Test.

**COURSE NOTES:**

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| **P273001** | MET-CMR | U | MET REGIONAL CIV-MIL RELATIONS | 1 | VAR |

**ECL:** **EIMET:** Yes

The program is an Expanded International Military Education and Training (EIMET) approved five-day seminar on 'democratic defense decision-making' in a wide variety of areas. The underlying theme of the course is the need for military officers and civilian officials to develop habits of cooperation within an interagency decision-making process. The importance of developing effective civilian control of military forces is emphasized in each iteration of this course. The course relies heavily on interaction among participants during classroom exercises. Because of this, ODCs/SAOs are asked to draw participation from the widest possible spectrum of military and civilian officials, from mid-career to senior positions. Each seminar is tailored to the stated needs of the host nation, and every curriculum is custom built. Host nation officials and US Embassy country team members will be asked to help shape upcoming programs and to request new material for follow-on programs. Follow-on seminar work, or workshops, can be scheduled for delivery in Monterey, California. CCMR's goal is to build the capacity of host nations to develop and sustain their own capability to present similar material in seminars and conferences independent of US assistance. Participants: The seminar is designed for international civilian decision makers from all government branches (executive, legislative, judiciary), and military/intelligence officers in the ranks of major to general, as well as civil society representatives (NGOs, think tanks, academia, media).

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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|---|---|---|---|---|---|
| **P273011** | CT-MET-CMR | U | MET CT- REGIONAL CIV-MIL | 1 | VAR |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts one- or two-week seminars in Civil-Military Responses to Terrorism , hosted by security assistance officers in selected countries. The key objectives of the course of instruction are to: (1) support international understanding of the politico-military components of combating international terrorism; and (2) enhance the capabilities of coalition partners to develop effective short- and long-term programs to combat terrorism that are consistent with democratic principles. The Civil-Military Responses to Terrorism course provides a thorough understanding of terrorism in all its forms, with considerable emphasis on strategy formulation and international cooperation. The program utilizes case studies and simulation exercises to stimulate thoughtful discussion, providing participants with the insight needed by decision-makers and their advisors to design successful strategies to contain or defeat modern terrorism. Participation in regional programs is determined by Regional Combatant Commanders, working closely with hosting SAOs and CCMR. Regional programs are financed according to NETSAFA cost-sharing policies. Hosting countries are normally given more seats in these courses than their neighboring states, but diversified audiences are sought. Civilian participation is considered essential for accomplishing the goals of the course. Regional courses can be conducted in a variety of locations, from peacekeeping training centers to hotel conference rooms. The primary requirement is that there be a conference room large enough for an audience of 30-60 people. Two or three smaller rooms are often required for the working/simulation exercise groups (one group can meet in the main conference room). Regional courses will be scheduled as desired, but CCMR s aim is to conduct one regional (or multiple sub-regionals) in each AOR once per year.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P273013** | MET-CMR | U | MET REGIONAL TRAIN THE TRAINER COURSE | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Train-the-Trainers (T-3) course. The aim of the T-3 is to enhance the skills of trainers to enable them to develop Situational Training Exercises (STX) based on peacekeeping mission mandates, essential tasks and implied tasks to achieve that mandate at the tactical level. The T-3 course leads participants through an analytical model of analyzing the mandate, identify the above tasks and to develop STXs. The target audience is national training center staff (or unit staff, if no training center exists), and battalion/company/platoon officers/NCOs who require the same skills to develop their training programs before deployment to a specific mission. The course is ideally suited for national trainers or unit training officers (Lieutenant - Major) with contingents earmarked for deployment to UN peacekeeping operations. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Host nations can conduct this course as either regional events open to participants from the region or world-wide, or as national courses, bilaterally with the US. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. The training methodology is centered on presentations by Subject Matter Experts (SMEs) in conjunction with group and plenary discussions. Course Details: The T3 can be conducted in residence at the Naval Postgraduate School (MASL P179603) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309103) or a regional (MASL P273013) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the PKOIC. Participants could be from any GPOI participating countries in the region or world-wide; they could also be from non-GPOI participating countries, but those candidates should use IMET/EIMET or be self-funded. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping operations. Training Objectives: The T-3 course enhances capacities of nations to better engage in peacekeeping by developing peacekeeping training capabilities internal to their training institutions and, overall, increases the number of trained training officers available to support UN peacekeeping missions. Standing objectives of the T-3 are to: examine major issues in modern peace support operations; understand the UN's role in peacekeeping operations education and training; examine a top down planning model; list UN Common Peacekeeping Tasks; describe a process and products for developing situational lane trainings; and allow participants to practice the described process.

**PRE-REQUISITE:**

**COURSE NOTES:** The resource staff for the T-3 course will consist of three to four SMEs. The optimum course size is 30 students. These individuals are identified among GPOI participating countries in the region or worldwide. Participant rank or grade should be equivalent to Lieutenant - Major. Previous peacekeeping experience is desirable but not required. Preference should be given to nominees with a training responsibility or officers serving with units earmarked for deployment to peacekeeping operations.

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| **P279011** | MTT-PDA-USCENTCOM | U | MET REGIONAL COOP EXERCISE 15 | 2 | VAR |

**ECL:** **EIMET:** No

This Tajikistan-based Regional Cooperation Course is a Computer-Based, multi-lateral USCENTCOM exercise offered at various locations on an annual basis. It will increase developing nation capabilities to conduct Stability Operations within internal borders and execute the range of tasks conducted during United Nations-mandated peacekeeping operations.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P279046** | MET CMR | U | MET REGIONAL UNITED NATIONS MILITARY OBSERVERS | 3 | VAR |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a United Nations Military Observers (UNMO) course. The goal of this training is to improve the ability of national armed forces to participate in the United Nations (UN) peacekeeping operations to resolve international crises. The specific purpose of the UNMO is to prepare and train officers (Captain - Lieutenant Colonel) for service as UN military observers in any current or forthcoming UN peacekeeping mission. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The UNMO training can be conducted in a host country through a Mobile Education Team (MET) as a national (MASL P309446) or a regional course (MASL P279046). If regional, participants are invited from other participating countries in the area or worldwide to attend the UNMO. The duration of the training is 19 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: The specific objectives of the UNMO course are to: a. Prepare trainers to prepare officers for service as UNMOs; b. Prepare officers for service as UNMOs; c. Examine major issues in UN peacekeeping operations in the context of UNMO functions; d. Understand the legal aspects of UN peacekeeping; e. Understand UN structure and component roles; f. Understand the role and responsibilities of local government, civilian agencies and other actors in the operational environment; g. Gain knowledge of UN integrated peacekeeping operations; and h. Discuss key UNMO skills such as liaison, negotiation, cultural understanding and others.

**PRE-REQUISITE:**

**COURSE NOTES:** The resource staff for the UNMO consists of 3-4 SMEs and one senior SME with experience as a UN Military Observer in the field. The optimum course participant strength is 25 students. Participant rank or grade should be equivalent to Captain - Lieutenant Colonel. Previous peacekeeping experience is desirable but not required. Preference should be given to nominees who might potentially be assigned as military observers in peacekeeping operations.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279068** | MET-CMR | U | MET REGIONAL UN CIV-MIL COORD OFFICERS COURSE | 2 | VAR | |

**ECL:** **EIMET:** Yes

The regional MET is used to program students from various countries attending a MET NAVPGSCOL in an OCONUS host country. It is not used to program host country participants. Host country should be programmed under MASL P309068. Introduction: The Center for Civil-Military Relations (CCMR) offers a United Nations Civil-Military Coordination Officers' Course (UN-CIMIC). The goal of this course is to improve the ability of national armed forces to participate in United Nations (UN) peacekeeping operations in order to resolve international crises. The specific purpose of the UN-CIMIC is to prepare and train officers (captain - lieutenant colonel or civilian equivalents) for service as civil-military coordination officers in integrated peacekeeping missions. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The UN-CIMIC can be conducted in residence at the Naval Postgraduate School (MASL P179023) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309068) or a regional (MASL P279068) course. If regional or in-residence, participants are invited from other countries in the area or worldwide to attend the UN-CIMIC. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use Global Peacekeeping Operations Initiative funding, IMET/EIMET or be self-funded. The duration of training will be 12 calendar days (to include weekend rest and cultural/social programs). Training Objectives: The course will enhance capacities of participating nations by developing peacekeeping leadership capabilities and increase the number of trained civil-military coordination officers available for selection to posts for UN and other peacekeeping missions. The specific objectives of the UN-CIMIC are to: a) Examine major civil-military coordination issues in modern UN Peacekeeping Operations; b) Understand the UN role and responsibilities in UN Peacekeeping Operations education and training; c) Review the civil and military coordination structures in different mission models; d) Understand national role and responsibilities concerning UN-CIMIC education and training for deployment; and e) Establish baseline liaison and coordination skills necessary to operate within a peacekeeping mission. Course Methodology: The training methodology will include presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of the group discussions and exercises will be problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations.

**PRE-REQUISITE:**

**COURSE NOTES:** The resource staff for the UN-CIMIC consists of 3 to 4 SMEs and one senior SME with experience as a civil-military coordination officer in the field. The optimum course participant strength is 25 students. Participant rank or grade should be captain - lieutenant colonel (or civilian equivalents).

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| **P279079** | US REG TLA PDA | U | US REGIONAL COOP EXERCISE 14 | 2 | VAR | |

**ECL:** **EIMET:** No

This US Based Regional Cooperation Course is a Computer-Based, multi-lateral USCENTCOM exercise offered at various locations in the US. It will increase developing nation capabilities to conduct Stability Operations within internal borders and execute the range of tasks conducted during United Nations-mandated peacekeeping operations.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279085** | MET-CMR | U | MET REGIONAL UN PKO CONTINGENT COMMANDERS COURSE | 2 | VAR | |

**ECL:** **EIMET:** Yes

This is the Regional MASL for Host Country MASL P309485 Introduction: The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Peacekeeping Operations Contingent Commanders" (PKOCC) course. The PKOCC course prepares potential commanders in the roles and responsibilities of contingent commanders, battalion commanders and sector commanders in complex peacekeeping operations, both for UN and other multinational operations. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. The course provides training to officers from the ranks of Lieutenant Colonel through Brigadier General. Course Details: The PKOCC can be conducted in residence at the Naval Postgraduate School (MASL P179085) or in a host country through a Mobile Education Team as a regional (MASL P279085) course. In regional and in-residence courses, participants are drawn regionally or globally. The duration is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: Gain an understanding of the operational environment of today's conflicts and the commanders' role in an integrated mission; ensure understanding of the importance of consensus, coordination and communication at the operational level among the military, humanitarian, and political actors; develop awareness and understanding of the various components of peacekeeping operations; enhance understanding of the underpinning legal framework of UN peacekeeping operations and the attendant Integrated Mission Planning Process; create a common understanding of the UN system and various agencies in the field including aspects of operational coordination; ensure understanding of the responsibilities and roles of the commander to effectively lead personnel employed in peacekeeping operations; enhance understanding of the importance of addressing various cross-cutting issues to include human rights, gender and the implementation of SCR 1325, Code of Conduct and Discipline, Sexual Exploitation and Abuses (SEA), through sound leadership and administration; understand the elements of conflict management; and develop skills and the ability to apply basic principles of negotiations and mediation. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises is problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations.

**PRE-REQUISITE:**

**COURSE NOTES:** The resource staff for the PKOCC course will consist of three to four SMEs and one senior SME (with experience as a commander in the field). The course is limited to 30 participants. These participants will be selected from countries world-wide. Previous peacekeeping experience is desirable but not required.

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| **P279300** | MET-ATM | U | MET REGIONAL IDARM | 1 | VAR | |

**ECL:** **EIMET:** Yes

Same description as P309130 except that one country agrees to host a MET to which other countries are invited. The hosting country will use IMET funds already programmed for P309130, or it will be given additional funds with which to host the regional program.

**PRE-REQUISITE:**

**COURSE NOTES:** CONDUCTED ON A REGIONAL BASIS ONLY. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P279330** | MTT-APS REGIONAL | U | MTT APS MDA INTERAGENCY OJT & MENTORING REGIONAL | 1 | VAR | |

**ECL:** **EIMET:** No

US Naval Control and Guidance of Shipping (NCAGS) This course introduces students to the concept of MDA in the host nation environment. It will be tailored to fit the national environment, level of development and equipment types. The course topics include: introduction to MDA, basic computing, MDA software systems (TV32, MPM300, MSSIS), open source MDA sites, ship reccognition, using AIS web sites, maritime surveillance, radar operation, AIS systems, radio communication and system maintenance. The class will include visits to other operations centers (fisheries, port authority, maritime rescue center) to understand the capabilities and contributions of other agencies to national maritime surveillance. Students will be expected to present a brief to their commanding officer on an MDA topic important to their organization. Host Nation Participants will be programmed under P309330.

**PRE-REQUISITE:**

**COURSE NOTES:** Navy and agencies that have a responsibility for national maritime surveillance (marine police, Fisheries, marine parks).

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279332** | MTT-APS REGIONAL | U | MTT APS FISHERIES MANAGEMENT REGIONAL | 0.4 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

APS MTT in support of the African Partnership Station MTT-Maritime Domain Awareness Fisheries Management Trainer: NOAA Students: Navy and agencies that have a responsibility for fisheries protection (marine police, Fisheries, marine parks, NGOs). Students will recieve training from international fisheries experts on the management of fish stocks, treaties on protected mammals, methods of ensuring sustainable fisheries, fisheries observer programs, unsustainable fishing practices (small net sizes, pair trawling, dynamite and cyanide fishing etc) and promoting sustainable fishing techniques and laws (rights based fishing, open and closed seasons for different species, management of trawler fleets etc). Host Nation Participants will be programmed under P309332.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P279340** | MTT-APS-REGIONAL | U | MTT APS MARITIME INTELL&OPS FUSION CEN (MIOFC) REG | 1 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

Designed to prepare analysts, boarding teams and maritime security specialists to utilize operational and actionable intelligence reporting, learn gathering and exploitation techniques for maritime security operations. Hpst Nation Participants will be programmed under P309340.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279379** | MET-CMR | U | MET REGIONAL UN LOGISTICS OFFICERS COURSE | 2 | VAR | |
| **ECL:** | | | | **EIMET:** | Yes | |

The regional MET is used to program students from various countries attending a MET NAVPGSCOL in an OCONUS host country. It is not used to program host country participants. Host country should be programmed under MASL P309379. Introduction: The Center for Civil-Military Relations (CCMR) offers a United Nations Logistics Officers (UNLOG) course. The goal of this training is to improve the ability of national armed forces to participate in the United Nations (UN) peacekeeping operations in order to resolve international crises. The specific purpose of the UNLOG course is to prepare and train officers (Captain - Lieutenant Colonel or civilian equivalents) for service as logistics officers in UN multinational and sector headquarters conducting peacekeeping operations. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping operations. Course Details: The UNLOG course can be conducted in residence at the Naval Postgraduate School (MASL P179047) or through a Mobile Education Team (MET), as a national (MASL P309379) or a regional (MASL P279379) course. If regional or in-residence, participants are invited from other countries in the area or worldwide to attend. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use Global Peacekeeping Operations Initiative funding, IMET/EIMET or be self-funded. Training Objectives: The CCMR/GPOI UNLOG will enhance capacities of participating nations by developing peacekeeping leadership capabilities and increase the number of trained logistics officers available for selection to posts in UN and other peacekeeping missions. The specific objectives of the UNLOG are to: a) examine major issues in modern peacekeeping operations; b) understand the UN structure to enable the performance of logistical staff duties; c) review the logistics management structures, including national, mission and UN HQ responsibilities; d) understand national roles and responsibilities concerning logistics for deployment/redeployment, supply and sustainment; e) and establish baseline logistics' staff skills necessary to operate within a UN, coalition or regional peacekeeping force headquarters. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises is problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the UNLOG consists of 3-4 SMEs and one senior SME with experience as a Logistics Officer in the field. Participants: The course is limited to 30 participants. These participants will be selected from countries world-wide. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279389** | MET-CMR | U | MET REGIONAL UNITED NATIONS STAFF OFFICERS COURSE | 2.6 | VAR | |

**ECL:** **EIMET:** Yes

The regional MET is used to program students from various countries attending a MET NAVPGSCOL in an OCONUS host country. It is not used to program host country participants. Host country should be programmed under MASL P309389. Introduction: The Center for Civil-Military Relations (CCMR) offers a peacekeeping training course entitled "United Nations Staff Officers Course" (UNSOC). The goal of this training is to assist nations in improving the abilities of their armed forces to better participate in United Nations (UN) peacekeeping operations. The specific purpose of the UNSOC is to prepare and train staff officers (Captain - Lieutenant Colonel or civilian equivalents) for service as staff officers in UN multinational and sector headquarters or within national contingents to conduct peacekeeping operations. Upon completion of the UNSOC, participants are expected to be competent in the knowledge, skills and attributes of effective UN staff officers. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. This course has received Official Training Recognition by the UN Department of Peacekeeping Operations, Integrated Training Service. It also includes best practices from training conducted by other nations involved in peacekeeping training. Course Details: The UNSOC can be conducted in residence at the Naval Postgraduate School (MASL P179045) or in a host country through a Mobile Education Team (MET) as a national (MASL P309389) or a regional (MASL P279389) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the UNSOC. The duration of the training is 17 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: The specific objectives of the UNSOC are to: a) examine major issues in peacekeeping; b) Understand UN role and responsibilities in peacekeeping; c) understand the Military Staff Functions and responsibilities in UN peacekeeping; and d) conduct operational staff planning processes for UN peacekeeping. Course Instructors: The instructor staff for the UNSOC consists of three to four SMEs and one senior SME with experience as a staff officer in the field. Participants: The optimum course size is 30 students selected from countries in the region or worldwide. Participant rank or grade should be equivalent to Captain - Lieutenant Colonel. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279392** | MET-CMR | U | MET REGIONAL UN PKO OPS INSTRUCTOR COURSE | 2 | VAR | |

**ECL:** **EIMET:** Yes

The regional MET is used to program students from various countries attending a MET NAVPGSCOL in an OCONUS host country. It is not used to program host country participants. Host country should be programmed under MASL P309392. Introduction: The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Peacekeeping Operations Instructors Course" (PKOIC). The PKOIC targets national training center instructor cadres (or, if a national center does not exist, then unit trainers) and intensively covers key "Core Pre-deployment Training Modules" (CPTMs) issued by the United Nations Integrated Training Service/Department of Peacekeeping Operations (e.g., Command and Control, Disarmament-Demobilization-Reintegration, Human Rights, Humanitarian Assistance). The aim of the course is to enhance the knowledge base and instructor skills of peacekeeping trainers in United Nations (UN) peacekeeping essential topics. Upon completion of the course, participants will be well versed in UN issues in general and can train other peacekeeping instructors on UN polices and procedures (or train unit personnel directly on these issues). Upon completion of the course, participants have a thorough understanding of the characteristics and complexities of integrated UN missions and can successfully participate in them. The course is ideally suited for Captain through Colonel ranks (or civilian equivalents). CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The PKOIC can be conducted in residence at the Naval Postgraduate School (MASL P179048) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309392) or a regional (MASL P279392) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the PKOIC. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises will be problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the course consists of three to four SMEs and one senior SME. Participants: The optimum course size is 30 students. These individuals are identified from countries worldwide. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279394** | MET-PGS | U | MET REGIONAL PROT OF CIV PKO&PSO (TRAIN THE TRNR) | 1 | VAR | |

**ECL:** **EIMET:** No

This is a Train-the-Trainer iteration of a subject specific program. Emphasis will be placed on building sustainable training skills of the participants in POC as it relates to UN PKO/PSO. This short-course is designed to provide a common conceptual understanding of POC in the context of UN peacekeeping and the range of protection actors who work alongside peacekeeping operations. It describes the range of protection threats facing civilians and the role of peacekeepers in protecting against those threats. The course will identify the range of legal rules, authorities and obligations that govern the actions of Peacekeepers with regards to POC. It will also cover the rights and obligations of peacekeepers (particularly with regards to the use force as it pertains to POC). Additionally, the operational concept of the three tiers of protection activities – (Protection through the political process, Protection from physical violence, Establishing a protective environment) and the 4 phases of Protection Response – (Assurance/Prevention, Pre-emption, Response and Consolidation) will be discussed. Peacekeeping personnel will be familiarized with the unique nature of sexual violence in armed conflict as part of POC, distinguishing between conflict related sexual violence (CRSV) & sexual and gender based violence (SGBV), and will be left with a better understanding of the integrated approach required to prevent and address sexual violence. Throughout, the course addresses the human cost as well as the political and institutional consequences of the failure to “protect”. Learning Objectives: a. Enhance conceptual understanding of POC in the context of UN peacekeeping b. Increase effectiveness and interoperability of protection actors c. Address the unique nature of sexual violence in armed conflict as part of POC d. Provide sustainable training skills of the participants in POC as it relates to UN PKO/PSO

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279410** | MTT-APS REGIONAL | U | MTT AFRICAN PARTNERSHIP STATION (APS) REGIONAL | 0 | VAR | |

**ECL:** **EIMET:** No

Host Nation Participants will be programmed under P309410

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279420** | MTT PGS REGIONAL | U | MTT REG LEADER DEV EDU FOR SUSTAINED PEACE (LDESP) | 0.6 | VAR | |

**ECL:** **EIMET:** No

The LDESP MTT seminar on Afghanistan will provide participants with an understanding of the operational environments in that will, in turn, help participants to achieve mission objectives in deployed region. 1.1 Objectives: The seminar will: 1.1.1 Provide orientation to Afghan culture, history, religion, challenges to governance, state of the insurgency, the economic challenges, working in a North Atlantic Treaty Organization (NATO) environment and guidance on engaging with the people of Afghanistan. 1.1.2 Help participants understand how to develop and maintain relationships that reduce the resolve of insurgents, support the growth in capacity and capability of the Afghan National Security Forces (ANSF). 1.1.3 Review implications of the drawing down of the International Security Assistance Forces (ISAF) in the country. 1.1.4 Provide orientation to NATO's role and the direction and scope of the alliance's potential evolution in the 21st century.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279435** | MTT-PDA-REGIONAL | U | MTT REGIONAL KHAAN QUEST MULTI-NATIONAL GPOI EXER | 2 | VAR | |

**ECL:** **EIMET:** No

The regional MET is used to program students from various countries attending a MTT in an OCONUS host country. It is not used to program host country participants. Host country should be programmed under MASL P279435. Description: Khaan Quest is a multi-national GPOI exercise sponsored by U.S. Army Pacific and hosted by the Mongolian Armed Forces. The objective of the exercise is to enhance interoperability of regional countries to train and participate within UN peacekeeping operations, develop professional skills and conduct peacekeeping operations in unique terrain conditions. This exercise will consist of a Field Training Exercise and a Command Post Exercise; along with medical and engineering exchange training opportunities.

**PRE-REQUISITE:**

**COURSE NOTES:** Tajikistan has been invited by the Mongolian Armed Forces to send up to 40 personnel to participate in this GPOI exercise. The purpose of this MASL is to support transportation from Tajikistan to Mongolia. Lodging and Meals are to be provided by the Mongolian Armed Forces. This MASL is for the Regional Country…. Tajikstan. For the Host Country MASL for Mongolia use P309435.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279438** | MTT REGIONAL PDA | U | MTT REGIONAL INFO ENVIRONMENT ADV ANALYSIS (IEAA) | 2 | VAR | |
| **ECL:** 80 | | | | **EIMET:** | No | |

To equip intelligence, operations and plans personnel with analytic concepts, affiliated techniques and operational constructs enabling graduates to characterize, forecast, target, wargame and assess the information environment enabling commanders to seize and sustain the initiative within their operational environment, thus reducing uncertainty and risk. Scope: The Office of the Under Secretary of Defense for Intelligence (OUSD(I)) sponsors the Information Environment Advanced Analysis Course (IEAA) to address strategic and operational gaps identified throughout the Department. The course prepares students to apply IEAA concepts to enable intelligence and operational communities to characterize, forecast, target, wargame and assess the information environment in support of a commander's decision-making process. Students are immersed in concepts, techniques and operational constructs and linked to the Joint Intelligence Preparation of the Operational Environment (JIPOE) and Joint Operational Planning Process (JOPP).

**PRE-REQUISITE:** Understanding of the Joint Operational Planning Process (JOPP) (Acquired through: JFC 100-Module Joint Operations Planning (2 hours) - NIPR JKO Course J30P-US1145) Understanding of the Joint Intelligence Preparation of the Operational Environment (JIPOE) (Acquired through: Joint Task Force Fundamentals Course 1010 (JTF-101)-Module Joint Intelligence (1 hour) - NIPR JKO Course J20 P-US013-13)

**COURSE NOTES:** Prerequisites may not be applicable to an international audience without access to JKO Host country equivalent may then apply.

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|---|---|---|---|---|---|---|
| **P279454** | MET-POO | U | MET REGIONAL NAVAL INTER COMMAND STAFF CSE (NICSC) | 1 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

The purpose of the NICSC is to develop the ability of Baltic Naval Officers to plan and conduct joint, multinational, and interagency missions across the full spectrum of operations. Two to three U.S. instructors from Reserve Detachment 513 in Chicago, Illinois will teach the abovementioned five curricula topics received from the North Atlantic Treaty Organization (NATO) or the Navy Education and Training Command (NETC). The National Defense Academy's aim for the US portion of the visit is to expose its student body to US Navy tasks, various warfare mission sets, and maritime interdiction operational planning. EUCOM LOA TASKORD Objectives and Tasks clearly support this effort. Maritime LOA 1: Maritime Forces Professional Military Development. US support for NICSC will directly increase maritime professional development through International Education Military Training courses and indirectly through military-to-military engagements that focus on military education, leadership, retention, and training. Maritime LOA 2: Maritime Domain Awareness. US support for NICSC will help develop maritime relationships and information-sharing tools with our Allied partners that will aid in identifying, tracking, and interdicting traffic within the Baltic Sea. Maritime LOA 3: Maritime Operations Capacity and Capability. US support for NICSC will assist in offering the necessary training, U.S. doctrine, and effective tactics, techniques, and procedures (TTPs) required to develop and improve maritime interoperability, capability, and performance of our NATO partners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279464** | MTT-CCMR-PR&R | U | MTT REGIONAL ISSUES IN DEFENSE GOVERNANCE | 1 | VAR | |
| **ECL:** | | | | **EIMET:** | Yes | |

This is the Regional MASL that goes with Host Country MASL P309464 Course Description: This Regional MTT is designed to strengthen Ministries of Defense (MoDs) by convening mixed groups of officials from MoDs and Joint or General Staffs to discuss issues and share approaches to defense management structures/processes and human resource development of the MoD staff. Specific issues to be addressed will be developed each year; topics will also depend, in part, on which countries choose to attend and their current challenges at the time. Illustrative topics include: processes for sharing the work between MoD and Joint/General Staff; developing internal MoD processes; adjusting organizational structure to support desired function; managing mixed civilian-military staffs within a ministry; developing the defense competencies of a civilian staff; mid-level leadership/management skills in a ministry; etc. Participants should come prepared to share their own experiences and their country's approach to managing the defense sector (e.g., design and roles of the MoD, processes for sharing work between the MoD and military headquarters, and methods of legislative oversight). Objectives: Compare and contrast defense governance practices used by various national governments. Identify challenges associated with the various types of defense governance structures and processes, and areas for improvement. Explore collaboration, leadership and management processes of the MoD. Expand and enhance defense governance practitioner networks. Methodology: The workshop will consist of a series of presentations, plenary discussions and small group exercises. A reception and group meals will support professional networking and in-depth dialogue. Participants: The workshop is designed for a wide mix of countries and governance practitioners to be represented. Up to 25 mid- to senior-level civilian officials, military officers and governance practitioners may attend. In the selection process preference will be given to actual and former officials from Ministries of Defense, military headquarters, and legislative oversight bodies.

**PRE-REQUISITE:**

**COURSE NOTES:** High demand for this course is anticipated. Enrollment decisions will be based primarily on appropriateness of the specific applicant.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279472** | MET-PGS-PCMR | U | MET DISASTER MANAGEMENT | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Prevention, Relief & Recovery program of the Center for Civil-Military Relations, US Naval Postgraduate School offers a five-day course entitled "Disaster Management" at various conference venues. This MET focuses on the management challenges associated with the delivery of humanitarian assistance/disaster response (HA/DR). Conceptually, the course emphasizes an understanding of how civilian and military authorities work together in the management of natural disasters and the delivery of humanitarian assistance. Specific areas of focus include Incident Command Systems, Strategic Communications/Media Relations and the use of Military Assets for Civilian Authorities. Learning Objectives: Enhance understanding of HA/DR response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter-governmental organizations). Provide a methodological framework for conceptualizing the strategic and operational issues in managing natural disasters and delivering humanitarian assistance. Allow participants to explore the roles and responsibilities, capabilities and competencies of organizations involved in disaster management. Expose participants to typical problems and potential solutions associated with disaster management and joint, inter-agency, cross-community coordination.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P279475** | MET-CMR | U | MET CIVIL-MILITARY COORDINATION IN DISASTER RELIEF | 1 | VAR |

**ECL:** **EIMET:** Yes

This 5-day seminar offered by the Prevention, Relief & Recovery (PR&R) program of CCMR develops a comprehensive understanding of how the international system works with host nations to conduct disaster relief. Participants will learn best practices for coordinating relief within their own countries and methods used for participating in international response to other countries. The seminar emphasizes cross-community understanding and communication skills that focus on ways in which the armed forces, government civilian agencies, non-governmental organizations, and inter-governmental organizations can work more effectively alongside each other in disaster relief. Learning Objectives: --Enhance understanding of the disaster relief response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter---rnmental organizations). --Expand communication, negotiation and collective problem solving skills to help facilitate cooperation and coordination between the various communities involved in disaster relief activities. --Develop the capacity to build trust, identify shared objectives, and promote collaboration. --Explore emerging concepts and initiatives from the various communities.

**PRE-REQUISITE:**

**COURSE NOTES:** This seminar pairs well with the sequentially scheduled CCMR course, "Information & Communications Technologies (ICT) in Disaster Relief," (MASL P170398). A participant can attend both seminars back-to-back and save air fare costs.

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|---|---|---|---|---|---|
| **P279476** | MET-CMR | U | MET REGIONAL HUMANITARIAN LOGISTICS | 1 | VAR |

**ECL:** **EIMET:** Yes

This course focuses on the logistical challenges associated with the delivery of humanitarian assistance/disaster response (HA/DR). Conceptually, the course emphasizes an understanding of the issues in Supply Chain Networks, especially the response supply chains. The topics covered include Military and Humanitarian Logistics and where the two overlap: HA/DR. The course objective is to build the knowledge and analytical tools for operational issues such as inventory, transportation and distribution, as well as other issues in logistics including the competency and capability of key players in the supply chain. Learning Objectives: To provide a methodological framework such as mathematical modeling for conceptualizing and capturing the operational and strategic issues in Logistics. To improve participant understanding of Humanitarian Logistics through response supply chain by comparing and contrasting it with traditional supply chain systems. To allow participants to explore the capabilities and competencies of organizations involved in supply chains. To expose participants to possible solutions to problems associated with logistical coordination in HADR.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P279477** | MTT-CMR | U | MET REG PREPG & RSPG TO NATL DIS IN MEGACITIES | 1 | VAR | |

**ECL:** **EIMET:** Yes

According to the Population Reference Bureau, there are 24 megacities-cities with a population greater than 10 million people-around the globe. If (perhaps it's safer to say when) a major natural disaster hits one of these densely populated metropolitan areas, the destruction will be tremendous. However, with careful preparation, coordination and cooperation, the effects can be mitigated and, potentially, millions of lives can be saved. To this end, this course will convene members of international armed forces, government civilian agencies, non-governmental organizations and inter-governmental organizations involved in disaster preparedness and response to discuss how to prepare for and respond to a major natural disaster affecting a megacity. Emphasis will be placed on best practices and lessons learned from recent natural disasters, as well as regional and organizational initiatives aimed at improving preparedness and response capabilities. Learning Objectives: Understand the range best practices, lessons learned and activities employed to prepare for and respond to natural disasters in megacities. Develop a deeper understanding of the critical challenges that arise during disaster response operations in megacities. Discuss ways to improve partnership and coordination among nations and organizations during disaster response. Learn about regional and organizational initiatives aimed at improving preparedness and response capabilities. Enhance professional networks among disaster response practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P279493** | MET CCMR | U | MET ARMED FORCES AND HUMAN SECURITY | 1 | VAR | |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed, Expanded International Military Education and Training (E-IMET) certified program entitled "Armed Forces and Human Security" exportable on demand to all IMET recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). The main theme of this program is to distinguish between traditional security (the state level) and human security (the individual level), and to discuss how governments use armed forces to do both. The intended audience for this course goes far beyond the military, reaching into every institution and requiring the participation of civilian officials from across the spectrum of government. We also encourage NGO and civil society involvement. Human security is everyone's business; some governments choose to avoid using armed forces directly, but other institutions often need the capacity that resides in the defense establishment. The key question to be debated here will be "How should the military support human security goals without sacrificing its crucial national defense role?" The key objectives of the course are to provide instruction, discussion, case studies, and perhaps a tabletop exercise to: 1) Understand the difference between traditional security and human security, particularly the need for interagency approaches to the latter. 2) Determine how the requesting government can use military forces - and all security forces - to complement civilian efforts to reduce insecurity in the areas of health, food, education, environmental, and other aspects of human security, as well as in the more obvious roles of fighting crime and maintaining civil order. 3) Conduct "all hazards" risk assessment of threats to human security in the requesting government. 4) Examine institutional roles with the aim of creating a balanced set of government institutions with the capacity to fulfill their unique roles in human security. 5) Discuss the crucial role of civil-military relations and human rights performance within developing democracies, and how the mechanisms of civilian control help governments attain the larger goals of human security. This course can be taught to either single country or regional audiences of between 30 and 60 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is 5 days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, are four workshops to be conducted by small groups. The main key to success will be wide diversity within the audience. Faculty Teams CCMR provides two or three world-class subject matter experts from academic, military, or private sector backgrounds. Host government representatives are asked to deliver presentations as needed.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation ECL is 80 when taught in English. Simultaneous interpretation may be available.

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|---|---|---|---|---|---|---|
| **P304012** | N/A | U | MTT MAINT - NAVAIR | 1 | VAR | |

**ECL:** **EIMET:** No

MTT MAINT - NAVAIR

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P305010** | MTT-K-MAI002 POO | U | MTT SMALL BOAT MAINTENANCE | 2 | VAR | |

**ECL:** **EIMET:** No

This course familiarizes students with the design, construction, and maintenance of small boats in relation to boat inspection, preventive maintenance, and identifying and correcting potential problems before the equipment becomes inoperable. Course content will be tailored to meet partner nation's requests and capabilities. Course topics include diesel engine maintenance, outboard motor maintenance, fiberglass repair, basic electrical repair, and general small boat repair. Course Topics - Course Intro & Service Manual Review - Internal Combustion Theory - Basic Engine Components - Carburetor and Cooling System - Gear case and Special Tools - Electrical Theory - Electrical Systems - Capacitor Discharge Ignition System - Fuel Ignition System - Fiberglass Repair - Metal Hull Repair Exercises and Labs - Fuel Lubrications Systems - VRO Oil Injection - Part Disassembly and Familiarization - Tools and Usage - Safety and Damage Assessment Target Audience: Enlisted Personnel

**PRE-REQUISITE:**

**COURSE NOTES:** Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales. The following materials should be proviced by the host nation: -Access to at least one (1) small boat equipped with engine(s) of the type the students will be expected to regularly maintain/operate. Preferably, enough small boats shall be provided to allow no more than twelve (12) students per one (1) boat. - Classroom facility with desk and chairs of sufficient size suitable for instruction and electrical power available within reasonable distance. - Appropriate tools, personal protective equipment (PPE), and replacement parts to conduct maintenance and repair on an engine (instructors are able to provide these items, if requested).

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| **P308005** | MTT-WCL | U | MTT AIM-9M SIDEWINDER | 1 | VAR | |

**ECL:** **EIMET:** No

Provides AIM-9M Sidwinder Missile training including the following elements: 1. Theory of Operation 2. Missile Safety 3. Missile Maintenance Manual Familiarization 4. Missile and Component Inspection 5. Missile and Component Maintenance 6. Missile Assembly/Disassembly

**PRE-REQUISITE:**

**COURSE NOTES:** Resident course is P196015 - NAWC China Lake

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|---|---|---|---|---|---|---|
| **P308006** | MTT-MUG | U | MTT AIM-7 | 1 | VAR | |

**ECL:** **EIMET:** No

MTT includes AIM-7 Missile Handling Maintenance and AUR/GCS Testing.

**PRE-REQUISITE:**

**COURSE NOTES:** Consists of training from resident courses P196007 and P196008

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|---|---|---|---|---|---|---|
| **P309027** | MTT-PNO | U | MTT NAVOCEANO | 1 | VAR | |

**ECL:** **EIMET:** No

This MTT provides tailored formal and on-the-job training in NAVOCEANO core competencies to DoD, DoN and DoS targeted countries while simultaneously collecting Marine Geospatial and Oceanographic (MGO) information in the territorial waters of the host nation. NAVOCEANO MTTs will provide DoD, DoS, and DoN an uncommon concept and strategy to accomplish the goals outlined in the National Security Strategy, National Military Strategy and Quadrennial Report.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309041** | MET-CMR-CT | U | MET CIV-MIL RESP TO TERR CONSEQUENCE MGMT | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Counter Terrorism Fellowship Program (CTFP) and Expanded International Military Education and Training (IMET) program entitled "Civil- Military Responses to Terrorism: Consequence Management" exportable on demand to all IMET and CTFP recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. The key objectives of the course are to provide instruction, discussion, case studies, and tabletop exercise to: 1) Understand how to integrate 'Consequence Management' into a government's overall combating terrorism strategy 2) Understand that when terrorist attacks can not be avoided, governments must effectively anticipate and mange the consequences of those attacks 3) Understand the benefits of an 'all-hazards approach' to not only terrorist attacks, but also natural and man made disasters 4) Working groups will be given a tabletop exercise in managing the consequences of a terrorist attack or a natural disaster This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn from academic, military, or private sector backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

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| **P309042** | MET-CMR-CT | U | MET CIV-MIL RESP TO TERR CNTR IDEO SUPP OF TERR | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Counter Terrorism Fellowship Program (CTFP) and Expanded International Military Education and Training (IMET) program entitled "Civil- Military Responses to Terrorism: Countering Ideological Support of Terrorism (CIST)" exportable on demand to all CTFP and IMET recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. The key objectives of the course are to provide instruction, discussion, case studies, and classroom exercise to: 1) Understand terrorist motivation 2) Understand what recourses are available to governments to inoculate societies against the appeal of terrorism as a means of political dissent 3) Understand how to challenge terrorists that invoke an ideology (especially a religious inspired ideology) to legitimize violence in carrying out an attack 4) Working groups will be tasked with developing plans of action that target the key center of gravity that underpins terrorist effectiveness This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn from academic, military, or private sector backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

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| **P309043** | MET-CMR-CT | U | MET CIV-MIL RESP TO TERR INTEL & COMBAT TERR | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Counter Terrorism Fellowship Program (CTFP) and Expanded International Military Education and Training (IMET) program entitled "Civil- Military Responses to Terrorism: Intelligence and Combating Terrorism" exportable on demand to all IMET and CTFP recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. The key objectives of the course are to provide instruction, discussion, case studies, and classroom exercises to: 1) Understand the intelligence process as it pertains to combating terrorism 2) Understand intelligence as the foundation of strategy 3) Understand the structure of intelligence organizations, and how they might be reformed 4) Most importantly, understand how intelligence can be shared across organizations and among regional partners This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn, from academic, military, or private sector backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P309044** | MET-CMR-CT | U | MET CIV-MIL RESP TO TERR MARITIME SECURITY | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Counter Terrorism Fellowship Program (CTFP) and Expanded International Military Education and Training (IMET) program entitled "Civil- Military Responses to Terrorism: Maritime Security" exportable on demand to all IMET and CTFP recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. The key objectives of the course are to provide instruction, discussion, case studies, and classroom exercises (if desired) to: 1) Thoroughly understand port security challenges 2) Delineate between terrorism and piracy 3) Understand the unique vulnerabilities of the maritime domain 4) Integrate maritime threats into Counter Terrorism strategy development This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn, from civilian, academic, or military backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

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| **P309045** | MET-CMR | U | MET INTERNATIONAL DEFENSE TRANSFORMATION | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar entitled "International Defense Transformation" for nations that have already confronted the issues of Defense Restructuring and are interested in the United States and NATO processes for Concept Development and Experimentation. Participants explore transformational principles for maintaining competitive military advantage in the 21st Century. This offering prepares decision-makers to effectively design and implement plans for transforming their military to respond to principal threats, utilizing a capabilities-based defense planning methodology. The key objectives of the seminar are to familiarize participants with: -Capabilities-Based Planning for the Future Security Environment -Network-Enabled Capability and Effects-Based Approach to Operations -Transformation Elements: Technology, Organizations, Processes, Personnel -Concept Development and Experimentation The participants will learn how to develop affordable, feasible, and interoperable capabilities that contribute to national defence requirements and collective security commitments. The seminar introduces revolutionary initiatives to improve command and control, fires, maneuver and logistics in coalition operations across the spectrum of conflict through concept development, technology demonstrations, and field experiments. Participants develop the practical knowledge and skills needed to pursue national transformation objectives within the broader context of strategic defense and security policies. The delivery format combines informational presentations and case studies with scenario-based practical exercises and distributed learning modules in aspects of defense transformation. This event is delivered in partnership with Office of the Undersecretary of Defense for Policy, Forces Transformation Directorate (OFT), Headquarters Supreme Allied Command Transformation (HQ SACT) and the Commander, Joint Forces Command (JFCOM) Joint Experimentation Directorate. Participants: The seminar is designed for international mid to senior military officers in the ranks of major to brigadier general and civilian equivalents from the Ministry of Defense, who are responsible for security and defense policy, strategic planning, programming and execution. Faculty Teams: CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. However, as a general rule, CCMR faculty teams for this very diverse program are quite large (twelve to fourteen individuals) consisting of proven subject-matter experts, who are drawn from around the world.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the local language.

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| **P309050** | MET-PDI | U | MET DIILS ASSESS OF ISSUES | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Assessment of Issues is an initial determination of needs that a host nation has which DIILS can address. If there has been a significant gap since the last DIILS seminar, another Assessment of Issues may be in order before scheduling a follow-on seminar. This survey consists of a visit to the host nation, for approximately five days, by a team composed of two or three faculty members from the DIILS. The team explores issues and concerns facing the country in the administration and operation of its military forces. The DIILS team will visit members of the military, civilian government, and non-governmental organizations. The purposes are to learn about the country s institutions and experiences so that the introductory curriculum will be timely and relevant, and to acquaint all parties with the DIILS process and goals. The information gathered during this phase serves as a foundation for the development of all subsequent education programs that are offered by DIILS.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309061** | MET-PDI | U | MET DIILS SEMINARS | 1 | VAR | |

**ECL:** **EIMET:** Yes

Seminars are customized for each MET based on prior Assessments, Curriculum Planning, and communication between DIILS and the SAO. Topics will vary depending on the unique needs of the host country. Examples of recent specialized programs include Domestic Operations, Interoperability and Status of Forces Agreements, Advanced Law of the Sea, Peace Operations, Regulation Drafting, and Legal Aspects of Military - Media Relations. Audiences may be military, civilian, or a combination depending on topic and the specific country. DIILS strives to establish a continuing relationship with each participating country by developing follow-on programs that may repeat presentations of the initial seminar or are new programs that focus on any military-related legal subjects. DIILS Country Program Managers will develop future programs in coordination with the embassy team and the host country.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309062** | MET-PDI | U | MET REGIONAL DIILS | 1 | VAR | |

**ECL:** **EIMET:** Yes

This is a regional MET with the individual topic to be determined by discussion between DIILS and SAOs involved. As a way of furthering cooperation among nations, and of making the best use of available funds, a Regional MET is planned and hosted by one nation, with invited participation from other nations. The topic is a subject of concern to the nations involved in the seminar. The host nation is responsible for finding a suitable conference site and making arrangements for translators, refreshments, and necessary equipment. Additionally, the SAO may be asked to assist in obtaining suitable lodging for participants from other nations. Sending nations use MASL 273010 to program and send their individual students to the seminar. Sending nations are responsible for TLA for their students, and pay a pro rata share of the cost of the conference, along with the host nation.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309063** | CT-MET-PDI | U | MET CT - LEGAL ASPECTS | 1 | VAR | |

**ECL:** **EIMET:** Yes

Combating terrorism is a complicated matter involving the cooperative efforts of agencies within a country and the entire international community. This seminar discusses the many legal questions that arise out of this developing problem including International Law and Terrorism, International Agencies and Terrorism. Coalitions and Alliances Designed to Combat Terrorism, Use of Force, Rules of Engagement, Status of Forces Agreements, Investigation and Prosecution of Terrorists, and Interagency Cooperation.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309068** | MET-CMR | U | MET UN CIV-MIL COORD OFFICERS COURSE | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a United Nations Civil-Military Coordination Officers' Course (UN-CIMIC). The goal of this course is to improve the ability of national armed forces to participate in United Nations (UN) peacekeeping operations in order to resolve international crises. The specific purpose of the UN-CIMIC is to prepare and train officers (captain - lieutenant colonel or civilian equivalents) for service as civil-military coordination officers in integrated peacekeeping missions. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The UN-CIMIC can be conducted in residence at the Naval Postgraduate School (MASL P179023) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309068) or a regional (MASL P279068) course. If regional or in-residence, participants are invited from other countries in the area or worldwide to attend the UN-CIMIC. The course will enhance capacities of participating nations by developing peacekeeping leadership capabilities and increase the number of trained civil-military coordination officers available for selection to posts for UN and other peacekeeping missions. The specific objectives of the UN-CIMIC are to: a) Examine major civil-military coordination issues in modern UN Peacekeeping Operations; b) Understand the UN role and responsibilities in UN Peacekeeping Operations education and training; c) Review the civil and military coordination structures in different mission models; d) Understand national role and responsibilities concerning UN-CIMIC education and training for deployment; and e) Establish baseline liaison and coordination skills necessary to operate within a peacekeeping mission. Course Methodology: The training methodology will include presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of the group discussions and exercises will be problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the UN-CIMIC consists of 3 to 4 SMEs and one senior SME with experience as a civil-military coordination officer in the field.

**PRE-REQUISITE:**

**COURSE NOTES:** The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use Global Peacekeeping Operations Initiative funding, IMET/EIMET or be self-funded. The duration of training will be 12 calendar days (to include weekend rest and cultural/social programs). The optimum course participant strength is 25 students. Participant rank or grade should be captain - lieutenant colonel (or civilian equivalents).

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| **P309069** | CT-MET-CMR | U | MET CT-RESP TO TERRORISM | 1 | VAR | |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a one-week Regional Defense Counterterrorism Fellowship (RDCTF) course entitled "Civil-Military Responses to Terrorism" in select countries. The course is conducted by a Mobile Education Team (MET) using RDCTF funding instead of IMET. The key objectives of the course are to: (1) support international understanding of the politico-military components of combating international terrorism; and (2) enhance the capabilities of coalition partners to develop effective short- and long-term programs to combat terrorism that are consistent with democratic principles. The Civil-Military Responses to Terrorism course provides a thorough understanding of terrorism and its remedies. The program utilizes case studies and simulation exercises to provide participants with the insight needed by decision-makers and their advisors to design successful strategies to contain or defeat modern terrorism. All courses are custom-built for specific audiences. Curricula are shaped through an iterative process, using key personnel from CCMR, the Security Assistance office, and the host nation. The course is designed for mid-senior grade military officers and civilian officials from a single country with responsibilities for combating terrorism. Participation is determined by Security Assistance offices, working with their host nation counterparts. The course will be constructed to resonate with the particular audience selected.

**PRE-REQUISITE:**

**COURSE NOTES:** The program can be conducted in a variety of locations, from peacekeeping training centers to hotel conference rooms. The primary requirement is that there be a conference room large enough for an audience of 30-60 people. Two or three smaller rooms are often required for the working/simulation exercise groups (one group can meet in the main conference room). Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309070** | MET-CMR | U | MET CIV-MILITARY RELATIONS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The program is a five-day seminar on democratic defense decision-making in a wide variety of areas. The underlying theme of the course is the need for military officers and civilian officials to develop habits of cooperation within an interagency decision-making process. The importance of developing effective civilian control of military forces is emphasized in each iteration of this course. The course relies heavily on interaction among participants during classroom exercises. Because of this, Security Assistance Officers are asked to draw participation from the widest possible spectrum of military and civilian officials, from mid-career to senior positions. Each seminar is tailored to the stated needs of the host nation, and every curriculum is unique. Host nation officials and US Embassy country team members will be asked to help shape upcoming programs and to request new material for follow-on programs. Variations on the central theme under this MASL number can include (but are not limited to) National Security Strategy Development, Legislative Aspects of Defense Decision-Making, Civilian Control of Intelligence, The Public Image and Legitimacy of Armed Forces, Defense Education and Personnel Systems, Military Support to Civilian Authorities, Defense Downsizing, and Structuring Ministries of Defense. Follow-on seminar work, or workshops, can be scheduled for delivery in Monterey, California. CCMR s goal is to build the capacity of host nations to develop and sustain their own capability to present similar material in seminars and conferences independent of US assistance. For that reason, CCMR prefers follow-on programs be scheduled for two years (though this is not a firm requirement). Follow-on seminar work, or workshops, can be scheduled for delivery in Monterey under MASL P309098 ("Continuing Education").

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309073** | MET-CMR | U | MET CIV-MIL REL PRE-SURVEY | 1 | VAR | |

**ECL:** **EIMET:** Yes

In cases where CCMR has not conducted a program, or when the content for an upcoming CCMR must be shaped in person, SAOs might want to program a pre-course site survey (Phase I) several months in advance. This visit will normally be accomplished by one CCMR faculty member and will be financed from IMET money programmed under this MASL. It is during such surveys that embassy and host nation officials can participate in shaping future CCMR programs to the specific needs of their countries.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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|---|---|---|---|---|---|---|
| **P309102** | MET-CMR | U | MET PROGRAM DESIGN AND DEVELOPMENT VISIT | 10 | VAR | |

**ECL:** **EIMET:** Yes

In cases where the Center for Civil-Military Relations (CCMR), in coordination with the appropriate Combatant Command (COCOM), has not conducted a peacekeeping program, or when the content for an upcoming course must be shaped in person, it is advisable to conduct a Program Design and Development Visit (PDDV). This activity is conducted by a mobile team that visits the host country. A PDDV will normally last approximately five days, during which the PDDV Team conducts an evaluation of host country peacekeeping curriculum, their ability to develop new peacekeeping curriculum, host country units designated for peacekeeping duties, and other infrastructure associated with peacekeeping. The goal is to review the recipient country's existing national peacekeeping training capabilities and determine the direction of national peacekeeping capacity building effort/plans. The PDDV team briefs US and recipient country's peacekeeping points of contact on the COCOM Peacekeeping Implementation Plan and assists in drafting an initial Country Plan, tailored to the country's peacekeeping training needs and desires. Location: PDDV Teams typically visit host country peacekeeping training centers, units designated for peacekeeping duty and prospective venues for future peacekeeping training. The PDDV Team will meet with representatives of the US country team as well as with appropriate host country military staff sections responsible for peacekeeping training policy to discuss needs and requirements.

**PRE-REQUISITE:**

**COURSE NOTES:** Conduct and Funding: These modules and courses will be conducted in a host country as a MET (MASL P309102). The duration of training varies and could be inclusive of weekends. Participants could use Global Peace Operations Initiative funding, IMET/EIMET or be self-funded.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309103** | MET-CMR | U | MET TRAIN THE TRAINER COURSE | 0 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Train-the-Trainers (T-3) course. The aim of the T-3 is to enhance the skills of trainers to enable them to develop Situational Training Exercises (STX) based on peacekeeping mission mandates, essential tasks and implied tasks to achieve that mandate at the tactical level. The T-3 course leads participants through an analytical model of analyzing the mandate, identify the above tasks and to develop STXs. The target audience is national training center staff (or unit staff, if no training center exists), and battalion/company/platoon officers/NCOs who require the same skills to develop their training programs before deployment to a specific mission. The course is ideally suited for national trainers or unit training officers (Lieutenant - Major) with contingents earmarked for deployment to UN peacekeeping operations. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Host nations can conduct this course as either regional events open to participants from the region or world-wide, or as national courses, bilaterally with the US. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. The training methodology is centered on presentations by Subject Matter Experts (SMEs) in conjunction with group and plenary discussions. Course Details: The T3 can be conducted in residence at the Naval Postgraduate School (MASL P179603) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309103) or a regional (MASL P273013) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the PKOIC. Participants could be from any GPOI participating countries in the region or world-wide; they could also be from non-GPOI participating countries, but those candidates should use IMET/EIMET or be self-funded. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping operations. Training Objectives: The T-3 course enhances capacities of nations to better engage in peacekeeping by developing peacekeeping training capabilities internal to their training institutions and, overall, increases the number of trained training officers available to support UN peacekeeping missions. Standing objectives of the T-3 are to: examine major issues in modern peace support operations; understand the UN's role in peacekeeping operations education and training; examine a top down planning model; list UN Common Peacekeeping Tasks; describe a process and products for developing situational lane trainings; and allow participants to practice the described process. Course Instructors: The resource staff for the T-3 course will consist of three to four SMEs. Participants: The optimum course size is 30 students. These individuals are identified among GPOI participating countries in the region or worldwide. Participant rank or grade should be equivalent to Lieutenant - Major. Preference should be given to nominees with a training responsibility or officers serving with units earmarked for deployment to peacekeeping operations.

**PRE-REQUISITE:** Previous peacekeeping experience is desirable but not required.

**COURSE NOTES:**

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| **P309104** | MET-ATM | U | MET PROJ MGMT: MANAGING COMPLEX DEFENSE PROJECTS | 2 | VAR | |

**ECL:** **EIMET:** Yes

The key objectives of this course are to: 1. Examine the fundamental concepts and framework for managing projects with an emphasis on technical, schedule and cost estimation, control and risk. 2. Provide course participants with an understanding of the models and frameworks for managing simple and complex projects. 3. Examine and apply the elements of project management in detail to engage students' understanding of various areas that are integral in successful project management. 4. Assist project organizations in their efforts to develop and institutionalize efficient and effective problem solving and decision making techniques. The course is taught by resident faculty from the School of International Graduate Studies. Faculty lectures may be augmented by presentations from distinguished practitioners who are subject matter experts in various topics within the field of project management. The course provides a practical examination of project identification, control and management techniques to ensure successful project outcomes. Topics include project definition and scope, requirements, quality environment, organizational structures, risk management, cost and schedule control techniques, project teams and leadership. Course participants create a project plan based upon existing or pending project requirements.

**PRE-REQUISITE:**

**COURSE NOTES:** This course is designed for international military officers and civilian equivalents of grades 04-06 who participate in project teams or manage simple and complex projects.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309114** | MET-POTD | U | MET INTL PROFESSIONAL ADVANCED LEADERSHIP (IPAL) | 0 | VAR | |

**ECL:** **EIMET:** No

The IPAL Mobile Education Team (MET) is designed to transform, support, and strengthen the leadership capabilities of International military personnel, conducted in the host country. Depending upon the host nation's requirements and student population, the MET modules will include tailored support by Subject Matter Experts (SMEs) and/or those modules in the Resident Course. Scope: The de-centralized/distributed nature of modern military operations requires strong emphasis on small unit level leadership for nations who are conducting counter-insurgencies, maritime law enforcement or policing regional/territorial waters with littoral navies. Many forces of our partner nations have little to no formal leadership education nor organizational structure that promotes full professional development of their naval members as managers and leaders, thus precluding military personnel from maximizing their own innate leadership capabilities. Highly motivated, capable military personnel may demonstrate a natural ability to be leaders, but the organization of their force prevents them from fully utilizing their inherent skills and abilities. Most U.S. courses for international military personnel available to our partner nations are technical in nature, based upon the operation and maintenance of equipment and systems. Nevertheless, the desire to provide friends and allies with the necessary support to achieve the professional development of their military personnel is a high priority for Combatant Commanders, as well as the Chief of Naval Operations and the Commandant of the U.S. Coast Guard and the Commandant of the U.S. Marine Corps. This MET addresses the need for a training program that specifically addresses the leadership skills and professional development that is absent from the various U.S. technical courses. Course Description: The IPAL MET will be tailored for each country based on the requirements identified and agreed to by the host country during the initial IPAL MET NEEDS ASSESSMENT. Depending upon the host nation's requirements and student population, the MET modules could include tailored support by Subject Matter Experts (SMEs) to assist countries in various legislative, legal, personnel and budget, force retention, benefits, organizational issues that could enhance the professionalism of the maritime force's personnel into a more professional and capable corps of leaders. The METs supplement the IPAL Resident Course (P171039) through supporting the hands-on leadership and professional skills of international military personnel in their own operational domain. The MET curriculum will include select modules from the IPAL Resident Course, such as train-the trainer, communications, team building, operational planning, and other topics that are specifically tailored to the host nation's requirements.

**PRE-REQUISITE:** Curriculum could be provided in Spanish, Arabic, French and Portuguese and MET members could teach in the host country using translators, upon request.

**COURSE NOTES:**

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| **P309116** | MET- CMR | U | MET LATAM STRATEGIC LEADERSHIP | 1 | VAR | |

**ECL:** **EIMET:** Yes

To provide the recipient Western Hemisphere nation with a five-day seminar on the major aspects of strategic leadership. The program is designed for military and civilian personnel who are engaged in, or will become engaged in leadership of large complex organizations within their government. Each seminar will be crafted to apply the basic concepts of strategic leadership to the security and defense challenges facing the recipient nation. The seminar is tailored to specific realities of each Western Hemisphere nation that are incredibly varied from one sub - region or nation to another. Outcomes Military and civilian leaders with enhanced understanding of the challenges and opportunities associated with strategic leadership, strategic planning, and strategic decision-making. Time frame This seminar is designed for five ½ days of seminar activity. If exercises or practicum are included in the program, some days will require additional participation. The schedule for this seminar is determined through coordination with the recipient nation, the MILGP/Embassy, and CCMR. Faculty Teams CCMR task-organizes each team to match the specific expertise requested by the ODC/SAO. As a general rule faculty teams consist of two or three world-class subject matter experts drawn from both civilian and military backgrounds. The CCMR teams have expertise in virtually all security and defense challenges, and opportunities, in the region including involvement in peacekeeping, humanitarian assistance & military support to civilian authorities, fighting organized crime and street gangs, and establishing government presence in "ungoverned areas".

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation. Cost Cost for this program will be determined by negotiation between the recipient nation, the U.S. Embassy (MILGP), and CCMR. Costs will include fees for the CCMR teams, their travel expenses to/from the recipient nation, and in country costs such as interpreting, meeting space, and other appropriate expenses.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309117** | MET-CMR | U | MET LATAM NATL SECUR STRAT DEV PRACTICUM | 1 | VAR | |

**ECL:** **EIMET:** Yes

Purpose of the course is to provide the recipient Western Hemisphere nation with a program of instruction and mentoring which results in development of a national-level planning process and a national-level strategy for the employment of all elements of national power in support of national interests and government objectives. This program is developed for the highest levels of the recipient nation. Its success will be determined by the level of support and involvement by the nation's chief executive officer. Outcomes Development of an interagency structure and team to write a national-level strategy. Interagency structure and recipient-nation participation will be determined by the recipient nation in coordination with the CCMR faculty. A national-level strategy for the employment of all elements of national power in support of national interests and government objectives. This document will be written by recipient nation personnel, with assistance from CCMR faculty, and delivered in the recipient nation language Subordinate strategy development is feasible as part of follow-on MASLs. Time frame The first event is a site survey by CCMR personnel to determine how the practicum process needs to be adapted to enhance recipient nation and U.S. Embassy objectives. This instruction and mentoring process will nominally last for six-months. CCMR faculty will travel to and interact with host nation personnel for a one or two week periods three or four times during this time frame. The Practicum, as indeed all CCMR programs, are custom built to incorporate the specific challenges and opportunities of the government in facing its unique challenges and opportunities in the general areas of national security and defense. CCMR instructors are experts in virtually all of the areas which may include international peacekeeping, military support to civilian authorities, and fighting organized crime, drug trafficking, and street gangs. Faculty Teams CCMR task-organizes each team to match the specific expertise requested by the ODC/SAO. As a general rule faculty teams consist of two or three world-class subject matter experts drawn From both civilian and military backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation. Cost Cost for this program will be determined by negotiation between the recipient nation, the U.S. Embassy (MILGP), and CCMR. Costs will include fees for the CCMR teams, their travel to/from the recipient nation, and appropriate in county expenses.

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| **P309120** | MTT-PAVS | U | MTT CREW RESOURCE MGMT INSTRUC | 1 | VAR | |

**ECL:** **EIMET:** No

TRAINING The Crew Resource Management (CRM) Instructor Course provides the Required knowledge and skills for selected mission qualified flight crew Members (O-3 and E-6 or above) to function as CRM curriculum model Managers. The course includes training in the implementation, instruction, and development of type/model/series specific CRM programs and is designed to satisfy OPNAVINST 1542.7 requirements. Scope: Basic instruction includes CRM history, seven critical skills, CRM methodology, computer aided curriculum development, contract administration, CRM instruction and evaluation, case study and scenario development, facilitation, instructional techniques, program management and administration, fatigue countermeasures, and OPNAVINST 1542.7 (Series).

**PRE-REQUISITE:** It is proposed that students be mission qualified flight crew members (O-3 and E-6 or above) and have at least 18 months remaining on current PCS tour upon completion of the course.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309121** | MET-CMR | U | MET ENHANCING CMR THROUGH SSR | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations' (CCMR) Expanded International Military Education and Training (EIMET) approved seminar entitled "Enhancing Civil-Military Relations (CMR) through Security Sector Reform (SSR)" is conducted by a Mobile Education Team (MET). The course aims to assist countries consolidate their democracies and strengthen their stability and security, by transforming their security institutions to become democratically accountable, effective and efficient. SSR enhances the traditional CMR concept (focused mainly on the armed forces and narrowed to issues of military praetorianism, armed forces' intrusion in domestic politics through coups d'état, and military civilian control) in that it addresses the transformation of a more comprehensive "security community" (to include military, police, intelligence, justice sector etc) in the process of democratization, civil-military relations and effective security policies (including conflict prevention, stabilization and reconstruction). The key objectives of this course are to: 1. Provide participants with an understanding of the SSR concept, development, challenges and opportunities; and 2. Familiarize participants with SSR's main players, policies, processes, structures and programs (with an emphasis on the need for an integrated approach of the SSR). 3. Assist participants in developing an action plan for SSR in their own countries. CCMR's approach to teaching the "Enhancing Civil-Military Relations (CMR) through Security Sector Reform (SSR)" course is to focus instruction on the specific conditions and unique requirements of a country, and in consonance with ODC/SAO guidance. Participants will be provided with necessary theoretical knowledge by academic lecturers and experienced practitioners. The workshop utilizes case studies and simulation exercises to provide participants with the knowledge and skills needed by decision-makers and their advisors to reform their national security institutions. Participants will be exposed to all critical elements of SSR programming areas, including: border security, civil-military relations, civil society capacity building, defense reform and restructuring, disarmament, demobilization, reintegration (DDR), governance, intelligence reform, control and oversight mechanisms, justice reform, penal reform, police reform, public sector management, and small arms and light weapons trafficking. The course objectives are achieved through the rigorous application of problem solving with particular emphasis on working with civilian and military officials of all security sector branches in a group setting to develop deliverables for implementation within a recipient country. The course provides a neutral venue whereby the virtues of consensus-building and interagency cooperation are demonstrated and applied, with the result that the experience of cooperation and collaboration continues well after the program. At the end of the course, the participants will have an enhanced understanding of the opportunities and challenges associated with security sector reform, as well as the SSR's impact on democratization and civil-military relations. They will be able to develop actionable recommendations to improve existing SSR plans and planning procedures, as well as be capable of developing country-specific implementation strategies for consideration by senior defense leadership Participants The workshop is designed for international military officers in the ranks of captain to general, and their civilian equivalent, from any security or development related organization (including representatives of the defense, intelligence and police establishments, academics, policymakers, political parties' representatives, non-governmental organizations' members etc.).

**PRE-REQUISITE:**

**COURSE NOTES:** Translation The course is taught in English. Where necessary, the course is delivered with simultaneous interpretation into the local language. Cost Prior to the MET, CCMR will prepare a budget of all costs to be incurred over the course of the program. ODC/SAOs will be asked to provide estimates of costs that they will incur in-country to host a program for inclusion in the total budget. Costs incurred by CCMR include transportation, faculty and staff salaries, and lodging and per diem for MET team members. In-country costs that will be included in the MET include translation and reproduction of course materials, site rental (including daily lunches), and interpreters' salaries. While costs vary widely depending on air fares, number of faculty, and other factors, a MET budget will normally total between USD 40,000 and 60,000. Should a pre-course survey be determined necessary to coordinate with embassy and host nation representatives, it costs normally total between USD 8,000 and 15,000 and can be programmed under MASL P309073.

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| **P309130** | MET-ATM | U | MET ACQUISITION PHASE I | 1 | VAR | |

**ECL:** 80 **EIMET:** No

INTERNATIONAL DEFENSE ACQUISITION RESOURCE MANAGEMENT TRAINING PHASE I, SITE SURVEY AND NEEDS ASSESSMENT Phase I for Acquisition Management Series courses is accomplished through data gathered from on-site observations, structured interviews and focus groups over a three to five day period. Target populations are senior managers in the various functional areas and working professionals in the specific technical disciplines of the course to be developed. Naval Postgraduate School, International Defense Acquisition Resource Management team members will acquaint all parties with the process and goals of the program as well as work with the country s point of contact to identify curriculum goals and learning objectives.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309131** | MET-PATM | U | MET ACQUISITION PHASE III | 1 | VAR | |

**ECL:** 80 **EIMET:** Yes

INTERNATIONAL DEFENSE ACQUISITION RESOURCE MANAGEMENT PHASE III, COURSE DELIVERY Phase III course delivery is accomplished via MET or in CONUS. Topics included in the series cover all aspects of the defense systems acquisition life-cycle management process including: · Strategic Planning and Implementation · Business and Financial Management · Contracting and Purchasing Policies and Procedures · Program Management · Logistics and Supply Chain Management · Test & Evaluation · Production & Quality Assurance. This curriculum provides a full range of courses to support the career goals and professional development of a country s military and civilian defense acquisition workforce. Each course provides students with an understanding of the theory and skills required to perform effectively in their chosen career field. Designed for personnel involved in any aspect of the system acquisition process, each course is open to students from every career field.

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309136** | MET-ATM | U | MET CONTRACTING FOR PRE-DEPLOYMENT & DEPLOYMENT OP | 1 | VAR | |

**ECL:** **EIMET:** Yes

The International Defense Acquisition Resource Management Program (IDARM) offers a one-week mobile course entitled "Contracting for Peacekeeping." This course may be conducted for a single country or as a regional event. The key objectives of this course are to: 1. Examine the fundamental concepts and challenges associated with contingency contracting. 2. Provide course participants with an understanding of the complexities associated with planning and negotiating contracts in "conflict areas." 3. Examine the tools and techniques necessary to effectively contract in areas with limited or no host nation support. 4. Assist countries in their efforts to develop and institutionalize efficient and effective contingency contracting practices. The course is taught by resident faculty from the School of International Graduate Studies and Graduate School of Business and Public Policy. Faculty lectures are augmented by presentations from distinguished practitioners who are subject matter experts in various topics within the field of contingency contracting. The course provides a practical examination of defense procurement and contracting issues in an insecure environment characterized by mid to high intensity conflict. Course participants consider the challenges of procurement and contracting for widely dispersed operations in a joint or coalition environment, given rapidly changing organizations, an increasing reliance on contractors and the emergence and evolution of new threats. Topics include the types of contingencies, cross-cultural awareness, ethics, roles and responsibilities, anti-terrorism and security, deliberate & crisis action planning, funding of contingency efforts, contractual instruments, and contract administration and closeout. Participants: This course is designed for U.S. and international military officers and civilian equivalents of grades 04-06 who directly or indirectly contribute to procurement and contracting in a contingency environment, from a policy or operational perspective. Countries are encouraged to nominate more than one participant.

**PRE-REQUISITE:**

**COURSE NOTES:** Course Dates: The course is exported and customized given a country's specific requirements.

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| **P309137** | MET-CMR | U | MET AFRICA CIV MIL REL FOR JUNIOR MILITARY LEADERS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The purpose of this course is to discuss civil-military relations in general and military professionalism in particular as they relate to military leaders at the company and battalion level. The course begins with an overview of appropriate civil-military relations in a democracy and a discussion with the participants about how they see civil-military relations in their country. The course focuses on the key role that junior leaders -- officers, non-commissioned officers and their subordinates - play in establishing and maintaining the trust and confidence of their clients, the state and the people. The program is designed to be conducted on the ground with the units. A classroom is ideal, but the program can be conducted under the trees as well. Outcomes At the end of the program, participants will have a greater level of understanding, knowledge and respect for the role they play in ensuring that the military is competent, disciplined and apolitical, and that it is respected by all concerned. At the end of the program, the participants will design a simple card that will serve as an informal code of conduct for themselves - in times of war on one side, in times of peace on the other. Participants This is the only program in which we do not have a balance between military and civilian participation. The target audience is one company with battalion staff and leaders added as necessary. We want to also invite no more than five representatives from non-governmental organizations (NGOs) and the media. Time Frame The program will normally be one day long per company. We can do as many as five in the course of a week. Preparation time to deliver a program is approximately three months. Faculty Teams Faculty is chosen based on the course requirements and normally consists of two facilitators, one with a military/practitioner background and the second with an academic background, both with extensive experience with and in Africa. Translation Written materials for the course are prepared (usually at post) in the host country's language. Interpreter support may be required, depending on the language capability/fluency of the facilitators. Cost Funding for this program can come from a variety of sources, (E)IMET and FMF being the most common. Costs will depend on the amount of travel required between and among participating units. There are no formal breaks or working lunches associated with this program. Facilitators eat with the troops.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P309138** | MET-CMR | U | MET AFRICA DISARM, DEMOBILIZ & REINTEGRATION (DDR) | 1 | VAR | |

**ECL:** **EIMET:** Yes

The purpose of this course is to discuss the concepts, policy and strategy of an integrated DDR program. We use the United Nations (UN) framework for IDDR. We begin with the structures and processes involved in integrated planning for DDR at the national level. That is followed by the identification of operations, programs and the support required to disarm, demobilize and reintegrate former combatants socially and economically into civil society. We also discuss cross cutting issues such as women, gender, youth, cross border population movements, food aid, HIV/AIDS and other health concerns. This is an ideal program to conduct subregionally. Outcomes At the end of the program, participants will have greater level of understanding, knowledge and respect for the role various actors play in designing and implementing an integrated DDR program. The capstone exercise in the seminar will require the participants to outline a DDR program for their country/countries. Participants are selected by the host government(s) and the American Embassy. Numbers can range from 40 - 80, with 60 being ideal. Half the total should be military with the other half composed of civilian and civil society participants. Rank and position vary depending on the country/countries involved, but participation is more dependent on responsibility than rank. Members of international organizations should also be invited to participate in this program. Time Frame The seminar will normally take place over four to five work days. It requires approximately three months of preparation to deliver. Faculty Teams Faculty is chosen based on the course requirements and normally consists of two facilitators, one with a military/practitioner background and the second with an academic background, both with extensive experience with and in Africa. Additionally, we often make use of facilitators from international organizations to address details of DDR programs. Translation Written materials for the course are prepared (usually at post) in the host country's language. Interpreter support may be required, depending on the language capability/fluency of the facilitators.

**PRE-REQUISITE:**

**COURSE NOTES:** Cost Funding for seminars can come from a variety of sources, (E)IMET and FMF being the most common. Costs (FY 09) for a five day seminar with two facilitators, in English, for 60 participants are roughly USD 55,000. Programs requiring translation of written materials and interpreters are roughly USD 60,000. These are planning figures only. Final costs are generally less than estimated. Efforts are made to combine surveys (and seminars) with other activities in Africa to reduce costs to all concerned. Subregional programs involving more than one country are more expensive with each participating country funding its own participation.

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| **P309139** | MET-CMR | U | MET AFRICA SECURITY FORCES & THE ELECTORAL PROCESS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The purpose of this course is to discuss what, if any, role security forces can play in the electoral process of the host country. It begins with a discussion of civil-military relations in general and in the host country in particular. We discuss how a well considered national security policy, inclusively and transparently formulated, can define the roles and missions assigned to the security forces of the country, including support to civil authorities in the conduct of elections. Different level of elections are discussed as well as the roles various actors, including politicians, the legislature, the media and the security forces can play in those elections. Emphasis is placed on the need for training, resources and political will to ensure the success of this support. At the end of the seminar, participants will have a greater level of mutual understanding, knowledge and respect for the roles, missions and responsibilities that their organizations can play in supporting the electoral process in their country. The capstone exercise in the seminar requires the participants to prepare an outline of an electoral policy directive that could be used as a model in future elections. Participants Participants are selected by the host government and the American Embassy. Numbers can range from 40-80, with 60 being ideal. Half the total should be military with the other half composed of civilian and civil society. Rank and position depend on the specific country involved, but participation is more dependent on responsibility rather than rank. Representatives of the National Electoral Commission should be specifically included in the program. Time Frame The seminar will normally take place over four to five work days. It requires approximately three months of preparation to deliver. Faculty Teams Faculty is chosen based on the course requirements and normally consists of two facilitators, one with a military/practitioner background and the second with an academic background, both with extensive experience with and in Africa. Additionally, we often make use of host country facilitators to address particular issues requiring a greater understanding and depth of knowledge of local history.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation Written materials for the course are prepared (usually at post) in the host country's language. Interpreter support may be required, depending on the language capability/fluency of the facilitators. Cost Funding for seminars can come from a variety of sources, (E)IMET and FMF being the most common. Costs (FY 09) for a five day seminar with two facilitators, in English, for 60 participants are roughly USD 55,000. Programs requiring translation of written materials and interpreters are roughly USD 60,000. These are planning figures only. Final costs are generally less than estimated. Efforts are made to combine surveys (and seminars) with other activities in Africa to reduce costs to all concerned.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P309140** | MET-CMR | U | MET DEV EFF PERS MGMT POL | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed Expanded IMET workshop entitled "Implementing Strategic Planning: Developing Effective Defense Personnel Management Policies," exportable on demand to all IMET recipient countries. This course is designed for international civilian officials, military officers in the ranks of lieutenant to major general, and representatives from other relevant government institutions who have personnel management responsibilities in the specific areas of policy, planning, implementing, and overseeing the human resource dimensions of the armed forces. The key objectives of the course of instruction are to instruct participants in the importance of institution-wide policies and regulations for raising, training and managing the force. Policies, practices, and management policies regarding personnel that have been found to be successful in Western nations will be presented as case studies. Depending upon the specific requirements of a country, a CCMR workshop can address the following contents: (1) Establishing short-, mid- and long-term personnel requirements (2) Transitioning from a conscript to professional force (3) Career progression (4) Effective cohort management (5) Promotion based upon merit (6) Techniques for successful recruitment (7) Managing effective civilian personnel (8) Security Screening CCMR s approach to teaching Implementing Strategic Planning: Developing Effective Defense Personnel Management Policies is to focus delivery to the specific conditions and unique requirements of a country. In keeping with CCMR s approach to delivering instruction, priority is placed on the educational component of the assistance. This particular course, however, is also ideally suited for participants to produce, as part of the educational component, a country-specific deliverable (e.g., a draft personnel management policies, review of existing management policies, an action plan to implement reforms, etc.). In the development of deliverables, CCMR stresses the importance of: (1) where possible, the importance of their integration with existing processes and systems, and (2) the concurrent development of implementation strategies. At the end of this course, participants will have mastered an understanding of the importance of the adoption of transparent personnel management rules and procedures, incentives, and matching future requirements to contemporary personnel actions. CCMR strongly recommends that ODC/SAO chiefs identify specific areas of personnel management weakness in a recipient country in order to ensure that the course is designed to address these specific areas, as well as develop draft reforms. Faculty teams CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. The specific size of the teams organized for this course will depend upon the number of participants and whether a staff planning exercise is requested. However, as a general rule, CCMR faculty teams are relatively small (two to three individuals) consisting of proven subject-matter experts, who are drawn from around the world.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309148** | MET-CMR | U | MET MEDIA AND MILITARY | 1 | VAR | |

**ECL:** **EIMET:** Yes

A one week course entitled "The Media and the Military." The workshop is conducted by a Mobile Education Team (MET). The key objective of this course of instruction is to examine the methods civilian authorities, military officers, and the media in emerging democracies can use to structure an effective relationship between a country s armed forces and the media during peacetime and war. The course examines the following subjects: (1) The role of policy-makers in shaping media-military relations (2) Developing a comprehensive media strategy by national security decision-makers and the armed forces (3) Establishing guidelines for media coverage of military operations, press conferences, briefings, and releases (4) Professional roles, missions, and responsibilities of the media (5) Shaping the public image of the armed forces CCMR s approach to teaching "The Media and the Military" focuses on the host country s unique requirements. The course examines the fundamentals of media-military relations as they are affected by national legislation, institutions, principles, and practices. Participants analyze the role of policy-makers, the military, the media, and the public sector in national security policy formulation and implementation. Changing technology, legal restrictions, and public expectations are examined as they affect these relationships. The use of the media by other countries, non-governmental organizations (NGOs), and enemy forces, the proper context for psychological operations (PSYOPS), and the staffing process for military public affairs are considered. Employing a simulation exercise approach and the study of operational lessons learned from a relevant assortment of cases, participants are equipped with the skills and knowledge needed to design effective linkages between the media and armed forces. The exercise enhances the capacity for national security decision-makers and the armed forces to develop plans for addressing the legislature, media, and the public, and strengthens interviewing skills by all parties to minimize the effects of distortion, manipulation, and disinformation. The course provides a neutral venue whereby the virtues of consensus-building and interagency cooperation are demonstrated, and applied, with the result that the experience of cooperation and collaboration continues well after the program. Participants This course is designed for international civilian officials, military officers in the ranks of major to general, and representatives from other institutions (including the media) concerned with developing effective relations between the media and the armed forces.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P309149** | MET-CMR | U | MET INTELLIGENCE/DEMOCRACY | 1 | VAR | |

**ECL:** **EIMET:** Yes

A one-week workshop entitled "Intelligence and Democracy" conducted by a Mobile Education Team (MET). The key objective of this course of instruction is to examine the methods of civilian authorities in emerging democracies can use to establish strong, effective controls over their intelligence agencies. The course first examines the intelligence process in established democracies and the potential problems that intelligence activities can pose to democratic governance. Next, participants analyze the mechanisms used by long-established democracies to maintain control over their intelligence organizations. These instruments of control include use of the power of the purse, structural and organizational arrangements, legislative oversight, and public opinion. Employing the case study approach, participants examine the recent efforts by emerging democracies in Latin America, Central Europe, Asia and Africa to establish their own democratic controls over intelligence and the challenges that such nations will face in the future. The educational approach of this course combines informational content along with practical exercises and case studies to provide participants with the skills and knowledge needed to understand how modern democracies design effective mechanisms to control their intelligence agencies. Participants: This course is designed for international civilians officials and military officers concerned with developing democratic controls and oversight mechanisms for intelligence agencies.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309150** | MET-CMR | U | MET LEGISLATURE/MILITARY | 1 | VAR | |

**ECL:** **EIMET:** Yes

"Building Linkages Between the Legislature and the Military" This workshop is conducted by a Mobile Education Team (MET). The key objective of this course of instruction is to examine the methods civilian authorities and military officers in democracies can use to establish effective linkages between a country s legislature and its armed forces. The course specifically examines the following subjects: (1) The constitutional and legal framework for legislative-military relations (2) The role of the legislature in shaping defense legislation (3) Legislative oversight of defense and military policy (4) Defense and intelligence committee creation with jurisdiction over policy, oversight, and budget issues (5) Civilian expertise and career management of legislators and legislative staff personnel (6) Defining the roles and missions of armed forces (7) Military liaisons to the legislature CCMR s approach to teaching "Building Linkages Between the Legislature and the Military" focuses on the host country s unique requirements. The course first examines the fundamentals of legislative-military relations as they are affected by national legislation, institutions, principles, and practices. Next, participants analyze the role of the legislature in national security policy formulation and implementation. Legislative participation in the officer promotion process and the need for legislative approval of military deployments is evaluated as a mechanism to prevent the politicization of the armed forces and its misuse by the executive for personal, partisan, or unconstitutional ends. The course examines legislative budgetary authority and the utilization of statutory reporting and formal hearings. Developing professional civilian staff for defense-related committees, and ancillary topics to include their recruitment, training, pay, and promotion are explored, as are constituency relations and voting on defense issues. Employing a case study and simulation exercise approach, participants are equipped with the skills and knowledge needed to understand how to design effective linkages between their legislature and armed forces. The course provides a neutral venue whereby the virtues of consensus-building and interagency cooperation are demonstrated, and applied, with the result that the experience of cooperation and collaboration continues well after the program. Participants This course is designed for international civilian legislators and officials, military officers in the ranks of lieutenant colonel to general, and representatives from other institutions concerned with developing effective linkages between legislatures and the armed forces.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309151** | MET-CMR | U | MET DOMESTIC SUPPORT OPS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week course entitled "Domestic Support Operations." The workshop is conducted by a Mobile Education Team (MET). The key objective of this course of instruction is to examine the methods civilian authorities and the military in democracies can use to devise effective policies and strategies for the domestic employment of the armed forces. The course examines the following subjects: (1) The role of national leadership in shaping Domestic Support Operations (DSO) policy and strategy (2) Strategic and operational civil-military implications of DSO (3) Roles and missions of the armed forces and related agencies in humanitarian assistance and disaster relief operations (4) Establishing guidelines for military support to civil authorities (5) Nongovernmental organizations (NGOs) and civil sector entities (6) Constitutional, legislative, and logistics considerations CCMR s approach to teaching "Domestic Support Operations" focuses on the host country s unique requirements. The course examines the fundamentals of DSO as they are affected by national policies and practices. Participants analyze military support to civilian law enforcement and related authorities to include the use of military equipment, intelligence, reserve component, and public affairs personnel. As appropriate, counternarcotics, civil disturbances, combating terrorism, the role of private security companies, and refugee affairs are considered. Employing a simulation exercise approach and the study of operational lessons learned from a relevant assortment of cases, participants are equipped with the skills and knowledge needed to design effective linkages between civil authorities and armed forces. The exercise enhances the capacity for national security decision-makers and the armed forces to develop plans for conducting domestic support operations. The course provides a neutral venue whereby the virtues of consensus-building and interagency cooperation are demonstrated, and applied, with the result that the experience of cooperation and collaboration continues well after the program. Participants This course is designed for international civilian officials, military officers in the ranks of major to general, and representatives from other institutions concerned with domestic support operations.

**PRE-REQUISITE:**

**COURSE NOTES:** The course is taught in English. Where necessary, the course is delivered with simultaneous interpretation into the target language. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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| **P309152** | MET-CMR | U | MET CIV CNTRL ARMED FORCES | 1 | VAR | |

**ECL:** **EIMET:** Yes

MILITARY EDUCATION AND TRAINING TEAM - CIVILIAN CONTROL OF THE ARMED FORCES IN A DEMOCRACY: METHODS, TECHNIQUES AND APPLICATION The Center for Civil-Military Relations (CCMR) offers a custom-designed Expanded International Military Education and Training (IMET) workshop course entitled "Civilian control of the Armed Forces in a Democracy: Methods, Techniques and Application," exportable on demand to all IMET recipient countries. This course is designed specifically for those countries that either have week institutional controls over the armed forces and those that wish to improve existing structures and procedures. The intended audience is mid- to senior civilian defense and military officers in the ranks of major to Major General and their civilian equivalents from the Ministry of Defense, Chancelleries, and Parliament involved in the decision-making process to oversee the management and operation of the armed forces. The key objectives of the course of instruction are to provide instruction and technical assistance in: (1) Western principles of civilian control over the armed forces (2) Using case studies, identifying potential problem areas in control structures and procedures (3) Review of "decision points" in Western countries (i.e., procedures and documents) that effect control over the armed forces (4) Ascertaining which procedures, structures and practices found to be effective in Western democracies can be adapted for implementation in the recipient country CCMR s approach to teaching the Civilian control of the Armed Forces in a Democracy: Methods, techniques and application is to focus delivery wherever possible to the specific conditions and requirements of the recipient country and its governing structures. In keeping with CCMR s approach to delivering instruction and technical assistance projects, priority is placed on the educational component of the assistance, reinforced by its practical application in the form of producing draft procedures and arrangements, which is provided to the recipient country s political and defense leadership for action and the ODC/SAO as a status report. The course objectives are achieved through the rigorous application of problem solving with particular emphasis on working with civilian and military officials in a collaborative group setting to develop draft procedures and arrangements for implementation. In the development of draft procedures and arrangements, CCMR stresses the importance of: (1) the need for their integration with existing processes and systems, and (2) the concurrent development of implementation techniques. At the end of this course, the recipient country s Ministry of Defense and Defense HQ will be better prepared to ensure requisite transparent oversight of the armed forces. Participants will understand the nuanced character of control techniques and procedures, thereby allowing them to implement acceptable principles and procedures within their own national governing structures. Moreover, participants will understand how to adapt these procedures and arrangements to meet changing operational requirements. Faculty teams CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. However, as a general rule, CCMR faculty teams are relatively small (two to three individuals) consisting of proven subject-matter experts, who are drawn from around the world.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the target language. Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **P309156** | MET-CMR | U | MET DEM CIV MIL REL & ROL | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil - Military Relations (CCMR) one - week Expanded International Military Education and Training (EIMET) approved course entitled "Establishing Democratic Civil - Military Relations and the Rule of Law," is conducted by a Mobile Education Team (MET). The key objective of this course of instruction is to examine in a comprehensive manner the multiple and overlapping requirements in establishing stable and healthy democratic civil - military relations and the rule of law. Through a comparative and historical analysis of how the social, political, military and legal dimensions of a country interact, lessons will be drawn for civilian and military policy - makers to consider implementing in their countries. The course examines the following subjects: 1. The role of civil society (NGOs, think tanks, and academia) and the media in developing popular support for and influencing the actions of the armed forces. 2. The importance of different political institutions in the executive (Ministry of Defense and National Security Council), legislature (committees and investigative bodies), and the judicial system (courts and IGs) in controlling the armed forces while maximizing their effectiveness and efficiency. 3. The critical and central importance of the "rule of law" in all that concerns civil - military relations beginning with a national constitution and following through organic laws, legislation, and oversight. 4. The role of civilian and military policy - makers in crafting the institutions whereby democratic civilian control of the military can be combined with their effectiveness in the fulfillment of roles and missions. 5. The long - term importance of education, both civilian higher education and professional military education (PME), in consolidating the bases of stable and positive civil - military relations. CCMR s approach to teaching this MET focuses on the country s unique requirements as identified by a CCMR visiting team in conjunction with host nation military, governmental, and civil society experts. The comparative and historical examples from throughout the World will be utilized to illustrate "best practices and lessons learned" in assisting the policy - makers in developing strategies to design, implement, and manage the institutions and processes necessary to combine democratic civilian control with effectiveness and efficiency within a context defined by the "rule of law." Participants The course is designed for mid - to high - level civilian government officials (executive, legislature, and judicial branches), military officers from major to general, and representatives from civil society and the media.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309157** | MET-CMR | U | MET PEACEKEEPING OPERATIONS COURSE | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a series of modules and courses covering specialized peacekeeping core curriculum. They are conducted by Mobile Education Teams (METs) in a host country as a national course, i.e., participants are limited to only those personnel from the host country. This training is offered to mid-to-senior level officers (and civilian equivalents) who: 1) develop and implement institutional peacekeeping education and training programs; 2) command peacekeeping units; and 3) assigned to staff positions with peacekeeping oversight responsibilities. The modules and courses are based on current United Nations (UN) guidelines for peacekeeping operations training. They are delivered, wherever possible, in conjunction with trained national instructors at peacekeeping training centers. MET modules and courses will be tailored to host country needs. Course Details: These modules and courses will be conducted in a host country as a national MET (MASL P309157). The duration of training varies and could be inclusive of weekends. Participants could use Global Peace Operations Initiative funding, IMET/EIMET or be self-funded. Course Instructors: The resource staff usually consists of 3 to 4 Subject Matter Experts (SMEs), depending on module/course requirements. Participants: Participation typically is limited to 25-40 participants, depending on module/course requirements. Language, Interpretation and Translation: Modules and courses are taught in English. For complete accuracy, interpretation may be necessary for some programs. Simultaneous interpretation for the full group (plenary) sessions is preferable because it allows for far more material to be covered in a limited period. Consecutive interpretation is fine for the small discussion groups.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309158** | MET-CMR | U | MET INTL HOMELAND DEFENSE | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom designed Expanded International Education and Training (IMET) and Counter Terrorism Fellowship Program (CTFP) course entitled "International Homeland Defense" that can be exported on demand to all IMET and CTFP recipient countries. The intended audience is mid- to senior-level, military, civilian (typically from the ministries of Defense, Interior, Justice, or Foreign Affairs), and law enforcement agency members involved in the decision making process surrounding national and international security issues. Ordinarily, participants hold ranks equivalent to that of captain (O-3) through major general, depending on source country arrangements. The key objectives of this course are to provide instruction and technical assistance to: 1) Understand "Homeland Defense" as a component of the broader concept of "Homeland Security". 2) Implement effective interagency planning and cooperation strategies. 3) Provide a thorough understanding of current and potential threats to be defended against. 4) Understand the mutually supportive roles of civil authority, military responses, and law enforcement agencies. 5) Examine the intelligence requirements for successful Homeland Defense policies and strategies. 6) Enhance international and regional cooperation. CCMR tailors each of its courses to the specific conditions and requirements of the recipient country. Priority is given to combining education with practical and relevant application. This is done though the use of problem solving in group settings, analysis of past lessons learned, and integrating emerging understandings into existing national laws, customs and international treaties. This program is best-delivered as a bilateral or regional mobile education team, five-day event. It could be delivered as an in-residence program in Monterey, CA, given sufficient demand. Faculty Teams: CCMR task-organizes each team to match the specific expertise requested by the ODC/SAO. As a general rule faculty teams consist of two or three world-class subject matter experts drawn from both civilian and military backgrounds. Translation: This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation. (Regional format would require student travel and per diem from visiting countries)

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309165** | SPECIAL CITAT | U | MTT CONTAINER INSPECTION | 1 | VAR | |

**ECL:** **EIMET:** No

This course is designed to teach IMS's how to conduct a container inspection following the guidelines of International regulations for the transportation of dangerous goods in accordance with International Maritime Dangerous Goods Code (IMDG Code). It will familiarize the IMS's with the identification of dangerous goods and hazards associated with them. Sample Syllabus is on Page VI-37. After completing this training, the IMS will be able to: Conduct a container inspection in compliance of industry standards for maritime shipping (Placarding/Structural Integrity/Stowage) Identify the 9 hazard classes Utilize the IMDG code to ensure that hazardous materials are within international standards and follow required documentation Inspect a vehicle Identify smuggling trends in shipping Target Audience: IMS's should hold responsibilities with handling containers storing dangerous goods to be transported by sea. Rules and regulations instructed are in accordance with International Maritime Dangerous Goods Code (IMDG). Multi-agency audiences are encouraged. Additional IMS responsibilities may include: Enforcing, surveying or inspecting cargo o Packing/unpacking of containers o Preparing containers' transport documents (i.e. Dangerous Cargo Manifest) Accepting, handling or carrying dangerous goods

**PRE-REQUISITE:**

**COURSE NOTES:** Class Size: Maximum: 24 students Minimum: 16 students Instructors: 4 Materials: The host nation needs to provide the following: A large, well lit classroom with adequate sitting for class size Audio/Visual equipment to include white board (dry erase) Intermodal Container (preferably empty) Vehicle or truck (for practical exercise) Access to a port facility that handles containerized cargo

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| **P309171** | S-062-0024 | U | MTT SITE SURVEY NAVSCIATTS | 1 | VAR | |

**ECL:** **EIMET:** No

This is a Pre-Deployment Site Survey (PDSS) to determine training area condition, country assets and capabilities and establish country team proposes requirements.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309172** | S-062-0025 | U | MTT RIVERINE OPERATIONS | 2 | VAR | |

**ECL:** **EIMET:** No

MTT RIVERINE OPERATIONS NAVSCIATTS In-resident course of nine week, condense to a two week and tailored to country specific needs and taught in-country; deploy two NAVSCIATTS instructor and requested augmentation from host nation of previous NAVSCIATTS graduate in-support of this event, to comply with NAVSCIATTS model "Train the Trainer" and build partner nation capacity. In-resident curriculum as follows: patrol craft familiarization, first aid, mission planning, navigation, seamanship, the use of GPS, grid maps, radar and night vision equipment, basic communications, principles of board and search, patrol formations, weapons training, patrol craft movement and formations during daylight and night time hours, insertion and extraction of forces and immediate action drills.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309173** | S-062-0026 | U | MTT COASTAL OPERATIONS | 2 | VAR | |

**ECL:** **EIMET:** No

NAVSCIATTS In-resident course of nine week, condense to a two week and tailored to country specific needs and taught in-country; deploy two NAVSCIATTS instructor and requested augmentation from host nation of previous NAVSCIATTS graduate in-support of this event, to comply with NAVSCIATTS model "Train the Trainer" and build partner nation capacity. In-resident curriculum as follows: Comprehensive classroom and underway coastal operations instruction, standard operating procedures to conduct day and night tactical waterborne craft employment utilizing onboard electronics, night vision, GPS, and RADAR; additional topics include introduction to computerized navigation, navigation rules, aids to navigation, plotting, piloting, dead reckoning, over the horizon navigation (day and night), principles of communications, weapons safety and employment, rules of engagement, mission planning, maritime interdiction operations, insertions and extractions, board and search.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309183** | NONE | U | MTT TRAINING NAVAIR | 1 | VAR | |

**ECL:** **EIMET:** No

MTT - TRAINING NAVAIR

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309194** | MET-CMR | U | MET AFRICA LOCAL FOCUS PROGRAM ON CIV MIL REL | 1 | VAR | |

**ECL:** **EIMET:** Yes

Flagship (Civil-Military Relations (MASL # P309070) programs normally are conducted in the capital cities of the host countries, since these programs focus on national issues that are usually the responsibility of national leaders of government, the armed forces and civil society. We have found, however, that especially in larger countries, where lines of communication are long and/or weak and the span of control is such that the central government has difficulty governing its vast territory, that the perspective of far flung localities, or localities with different demographics, can be quite different than that of the central government. The Local Focus Program is intended to deal with the same kinds of issues as in the Flagship seminar, but from the perspectives of local participants. Local participants come from the cities, districts, provinces, states and security forces where the program is held. Generally, the central government does not send people to participate in these programs. CCMR is capable of working in very modest, even austere, areas. Outcomes The goals and objectives of this seminar are much the same as with the Flagship program, but focused on local interests. At the end of the seminar participants will have a greater level of mutual understanding, knowledge and respect for the roles, missions and responsibilities that their organizations have in establishing and maintaining appropriate civil-military relations in a democratic political dispensation. At the end of the seminar participants prepare an Action Plan as a synthesis of their ideas and recommendations. The Plan is intended to serve as a guide to transform those ideas and recommendations into action. Participants Participants are selected by the host government and the American Embassy. Numbers can range from 40-80, with 60 being ideal. Half the total should be military with the other half composed of civilian and civil society. Rank and position depend on the specific country involved, but participation is more dependent on responsibility rather than rank. Time Frame Local Focus programs are normally scheduled following an initial Flagship seminar. In some cases they can be scheduled immediately following a preceding program. Surveys (MASL # P309073) are not generally required for Local Focus programs. Local Focus Programs usually require extra travel time and are therefore limited to three or four days. Faculty Teams Faculty is chosen based on the course requirements and normally consists of two facilitators, one with a military/practitioner background and the second with an academic background, both with extensive experience with and in Africa. Additionally, we often make use of host country facilitators to address particular issues requiring a greater understanding and depth of knowledge of local history.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation Written materials for the course are prepared (usually at post) in the host country's language. Interpreter support may be required, depending on the language capability/fluency of the facilitators. Cost Funding for seminars can come from a variety of sources, (E)IMET and FMF being the most common. Costs (FY 09) for a five day seminar with two facilitators, in English, for 60 participants are roughly USD 55,000. Programs requiring translation of written materials and interpreters are roughly USD 60,000. These are planning figures only. Final costs for Local Focus Programs are generally less. Efforts are made to combine surveys (and seminars) with other activities in Africa to reduce costs to all concerned.

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|---|---|---|---|---|---|---|
| **P309195** | MET-CMR | U | MET AFRICA NATIONAL SECURITY PLANNING | 1 | VAR | |

**ECL:** **EIMET:** Yes

The purpose of this course is to discuss national security planning as both a process and a product. We examine national security policy, emphasizing the broad nature of "security" in today's world, the importance of a clearly articulated policy in driving roles and missions, force structure and resource requirements of the armed forces, and how a well considered national security policy can clearly define what it is that government wants the armed forces to do. We also discuss how government prepares such a policy, stressing the benefits of both an inclusive and transparent process. Finally, we identify the stakeholders and other interested parties in national security planning and the roles they can play in the formulation of a national security policy. Outcomes: At the end of the seminar participants will have a greater level of mutual understanding, knowledge and respect for the roles, missions and responsibilities that their organizations have in formulating national security policy in particular and establishing and maintaining appropriate civil-military relations in general. The capstone exercise in the seminar is for the participants to prepare an outline of a national security policy and brief it to senior officials prior to the closing ceremony. Participants are selected by the host government and the American Embassy. Numbers can range from 40-80, with 60 being ideal. Half the total should be military with the other half composed of civilian and civil society. Rank and position vary depending on the specific country involved, but participation is more dependent on responsibility rather than rank. Time Frame The seminar will normally take place over four to five work days. It requires approximately three months of preparation to deliver. Faculty Teams Faculty is chosen based on the course requirements and normally consists of two facilitators, one with a military/practitioner background and the second with an academic background, both with extensive experience with and in Africa. Additionally, we often make use of host country facilitators to address particular issues requiring a greater understanding and depth of knowledge of local history.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation Written materials for the course are prepared (usually at post) in the host country's language. Interpreter support may be required, depending on the language capability/fluency of the facilitators. Cost Funding for seminars can come from a variety of sources, (E)IMET and FMF being the most common. Costs (FY 09) for a five day seminar with two facilitators, in English, for 60 participants are roughly USD 55,000. Programs requiring translation of written materials and interpreters are roughly USD 60,000. These are planning figures only. Final costs are generally less than estimated. Efforts are made to combine surveys (and seminars) with other activities in Africa to reduce costs to all concerned.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309201** | MTT-PAN (AIR NAT GUARD) | U | MTT JTAC/FAC | 4 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

MTT JTAC/FAC JTAC/FAC MTT is based on 2 weeks of academics which provides detailed instruction in the tactics, techniques, and procedures (TTP) for planning, coordinating, and executing joint fires in support of ground commander's scheme of maneuver with the main focus on Close Air Support (CAS). In addition, students will receive practical application exercises and 2 weeks of field training where they will develop and safely demonstrate the ability to conduct CAS/Fire Support planning, briefing, and execution. Purpose: Fulfill the minimum training required by the Joint CAS (JCAS) Action Plan Memorandum of Agreement (JCAS AP MOA) JTAC and or Standardization Agreement (STANAG 3797) Minimum Qualifications for Forward Air Controllers to enable Host Nation to complete certification of their respective JTACs/FACs. Team size: Minimum of 4 team members (Note: Field training requires a 3 to 1 Student to JTAC Instructor ratio during the live control phase).

**PRE-REQUISITE:** English is the language to be used, therefore students need adequate knowledge of and proficiency in the English language - NATO STANAG 6001 Level 3, test score 85 percent. The competency examination should be biased towards military, particularly JTAC/FAC terminology. Students need to have two years of fire support experience and be knowledgably in JP 3-09.3 and or ATP 3.3.2.1.

**COURSE NOTES:** Class size: Optimum of 10 to 12 students. MTT will be established on a case by case basis to mitigate the shortage of quotas at JTAC/FAC Schoolhouses and provide a train the trainer capability. Host Nation responsible for providing sufficient classroom, audio-visual equipment, copies of student workbook, range facility able to support Day/Night JTAC/FAC training with a combination of live and inert ordnance, CAS sorties: Plan for a minimum of 18 CAS missions per student, of which 4 must deliver live or inert ordnance, and 3 night. JTAC/FAC equipment: Communication, Laser Target Designator (LTD), Infra Red (IR) pointer, Night Vision Devices (NVD), Laser Range Finder (LRF), and Targeting - GPS, and Video Down Link (Rover).

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|---|---|---|---|---|---|---|
| **P309211** | MET-CMR | U | MET UNITED NATIONS SENIOR MISSION LEADERS COURSE | 2 | VAR | |
| **ECL:** | | | | **EIMET:** | Yes | |

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Senior Mission Leaders (SML) course. The SML course prepares senior personnel for their future roles and responsibilities as mission leaders in United Nations (UN) peacekeeping operations, to include planning, managing and leading UN peacekeeping missions. On completion of the course, participants will be competent to lead UN peacekeeping missions. The US conducts this course through its Global Peace Operations Initiative (GPOI) program. CCMR has conducted the SML course with partner countries; the partner country is also responsible for helping develop and select course participants. For example, the course has been offered in Tokyo twice, jointly with the Government of Japan. Course participants are senior personnel (i.e., brigadier general and civilian equivalents) and are drawn from countries throughout the region or worldwide. Course Details: The SML course will be conducted in a participating country as a national MET (MASL P309211) or a regional MET (P279211), or in residence at the Naval Postgraduate School (MASL P179275). The participants will be from countries worldwide. The duration of training will be 12 days inclusive of weekends. Participants could use GPOI funding, IMET/EIMET or be self-funded. Course duration is 12 calendar days, inclusive of weekend rest and cultural/social events. Training Objectives: The SML enhances capacities of GPOI partner countries by developing senior UN leadership capabilities, and it increases the number of trained leaders available for leadership posts in UN peacekeeping missions. The specific objectives of the SML course are to: a. Ensure understanding of Cooperation, Coordination, Communication, Consensus and Integration for effective functioning of the mission Senior Leadership Team (SLT); b. Develop an understanding of the various components of peacekeeping missions; c. Enhance understanding of the legal framework of UN operations and the attendant Integrated Mission Planning Process; d. Create a common understanding of the UN system and various agencies in the field including aspects of strategic coordination; e. Ensure understanding of the responsibilities and roles of the SLT to effectively lead personnel employed in peacekeeping operations; f. Enhance understanding of cross-cutting issues to include Gender and the implementation of SCR 1325, Code of Conduct and Discipline, Sexual Exploitation and Abuses (SEA), etc, through sound leadership and administration. Course Instructors: The instructor staff consists of course secretariat and mentoring team. The mentoring team possesses extensive mission experience. Subject Matter Experts also include personnel from UN agencies, field missions, HQ staff and academic institutions. Participants: Course size is 25 participants. Participant rank/grade should be brigadier general or civilian equivalent. Previous peacekeeping experience is desirable. Optimally, participant structure achieves both gender and component (military, police and civilian) parity.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309220** | MTT-PWCL | U | MTT AIM 9 SIDEWINDER (MAINTENANCE) | 2 | PWCL | China Lake, CA 93555-6100 |
| **ECL:** 70 | | | | **EIMET:** | No | |

The "I" level training course provides, missile theory of operation and maintenance, SE requirements and capabilities, classroom briefing on each missile component , technical manual familiarization, Hands on test equipment operational use, missile assembly and disassembly to include receiving inspection. Course is taught only at the unclassified level outside United States. (China Lake MASL # P196015 is the actual course to be taught as an MTT )

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309221** | MTT-PWCL | U | MTT AIM 7 (SPARROW) OPERATOR/MAINTAINER | 2 | PWCL | China Lake, CA 93555-6100 |

**ECL:** 75 **EIMET:** No

This course is same as MASL P196005, Missile Test Set Operator/Maintainer Course except that it is to be taught as an MTT Note that this course does not include calibration. Description for P196005: Training includes the following: a. Test Set Orientation 1. System Introduction 2. Major Components 3. Technical Manuals b. Preparation for Operation 1. Test Set Accessories 2. Test Set Controls and Indicators 3. Self-Test Configuration Procedures 4. Emergency Shutdown Procedures 5. Test Set Self-Test Procedures, Maintenance Philosophy and Functional Operation c. AN/DSM-156D Test Set Theory 1. Functional Description 2. AC/DC Power Distribution 3. Computer Signal Flow 4. Manual Control Circuit Signal Flow 5. Front Panel Interfaces Signal Flow 6. UUT Select and Control Circuits 7. X-Band RF and Control Circuits 8. Signal Processor Circuits 9. Analog Select and Control Circuits 10. Active Fuze Processor 11. Hydraulic/Pneumatic Unit Theory of Operation 12. Remote Unit Theory of Operation Equipment on which training is to be conducted and availability: AN/DSM-156 Test Set, Missile (AUR and GCS); Pubs/Basic hand-tools. Trainer is Mr. Mark Knowles of Point Mugu, California.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309226** | MET-CMR | U | MET CMRT: MEDIA DYNAMICS & PUBLIC AFFAIRS | 1 | VAR | |

**ECL:** **EIMET:** Yes

Civil-Military Responses to Terrorism:Media Dynamics and Public Affairs Exportable on demand to all IMET and CTFP recipient countries. The intended audience is mid- to senior-level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. The key objectives of the course are to provide instruction, discussion, case studies, and classroom exercises (if desired) to: 1) Thoroughly understand the central role of the contemporary Media in both Terrorism and government efforts to combat it. 2) Integrate Public Affairs methods into all Combating Terrorism strategies. 3) Discuss the role of Public Diplomacy in defeating Terrorism. 4) Identify and examine the most effective messages and their audiences for government information campaigns. 5) Conduct a practical exercise on government media operations. This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn, from civilian, academic, or military backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

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| **P309227** | MET-CMR | U | MET CMRT: BORDER SECURITY | 1 | VAR | |

**ECL:** **EIMET:** Yes

Civil- Military Responses to Terrorism: Border Security Exportable on demand to all IMET and CTFP recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. CCMR has conducted Border Security seminars in several regions and has wide expertise in this area. The key objectives of the course are to provide instruction, discussion, case studies, and classroom exercises (if desired) to: 1) Thoroughly understand border security challenges as one of the most important components of Combating Terrorism strategy. 2) Apply conceptual understanding to national and regional border issues. 3) Identify institutions with border security responsibilities, including maritime institutions, matching them with Combating Terrorism roles. 4) Discuss interagency and regional approaches to border security. Using a workshop format, identify collective measures regional governments can implement for successful border security. 5) Identify Measures of Effectiveness in managing border security. 6) Discuss how governments can build capacity in their border security institutions. This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn, from civilian, academic, or military backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309228** | MET-CMR | U | MET CYBER TERRORISM AND INFORMATION WARFARE | 1 | VAR | |

**ECL:** **EIMET:** Yes

Cyber Terrorism and Information Warfare Exportable on demand to all IMET and CTFP recipient countries. The intended audience is mid- to senior-level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). This program is not about how the United States fights terrorism; rather it is designed to assist participating officials make better decisions about how their own governments fight terrorism. Cyber Warfare and Information Warfare encompass a broad domain within the field of 'Information Operations' and need to be studied holistically. The key objectives of the course are to provide instruction, discussion, case studies, and classroom exercises (if desired) to: 1) Provide a knowledge advantage at the strategic-operational seam where Cyber Warfare and Information Warfare concepts can be turned into operational and organizational action. 2) Integrate Cyber Terrorism threats into a broader understanding of contemporary transnational challenges. 3) Investigate how governments can counter Cyber threats using civilian and military tools such as Information Warfare. 4) Bring together regional partners to discuss Cyber Warfare and Information Warfare lessons-learned and best practices. This course can be taught to either single country or regional audiences of between 30 to 45 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is five days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, is a tabletop exercise on strategy development, several case studies that extract the lessons learned and best practices of selected governments, and individual country presentations from the participants. Faculty Teams CCMR task-organizes each team to meet the specific requirements of individual courses. As a general rule, faculty teams consist of three world-class subject matter experts drawn, from civilian, academic, or military backgrounds.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation This course is taught in English. When necessary, and with prior coordination, this course can be delivered with simultaneous interpretation.

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| **P309242** | MTT-POO | U | MTT NOR-TECH 43V INTERCEPTOR | 1 | VAR | |

**ECL:** **EIMET:** No

MTT- NOR-TECH 43V INTERCEPTOR 43V INTERCEPTORS SERVICE, MAINTENACE, OPERATIONAL, AND CAPABILITIES SUSTAINMENT TRAINING This course is designed to assist Enduring Friendship Crewmembers ALL aspects of the 43V Nor-Tech Interceptor vessel systems and the Operational Capabilities that can be used in their Partner Nation Marine Interdiction CONOPS. The following subjects are covered over a 5 day period: " Boat Familiarization: Pre Checks of the vessel, Engineer- Inspect fluid levels (i.e. coolant, engine oil, drive oil, steering fluid) wiring, engine start up, overboard discharge. Co Pilot- Energize electronics, tune radar, conduct communication checks, Pilot/ Vessel Commander- Inspect steering, throttles and clutches, navigation light, and stow any loose gear, Explain the chart plotter and its basic functions, Getting the vessel on plane, Explain the working of the throttles and boost from the engines, Explain and demonstrate the use of the outdrive trim controls and the trim tabs, Explain the difference between prop driven boats versus jet driven boats, Explain cavitations and how it will affect the performance of the boat, Explain the pro and cons for using trim tabs while operating at high speeds, Explain and demonstrate high speed turns/ tactical turns, Explain and demonstrate stopping and emergency stopping. " Boat Crew Familiarization: Boat Handling, Explain the difference between using the outdrives to trim and the trim tabs, Mooring the vessel, Explain how wind and current will effect how the vessel moves and how to use these forces to your advantage. " Onboard Electronics and Navigation: This block will include instruction in operation, service, trouble shooting and removal and replacement of the onboard electronic and navigation equipment to the boat crew. Each boat crew member will have a working knowledge of the equipment onboard. VHF radio, Chart plotter, Auto Pilot, FLIR, Radar, " Intercept Vectors: After the boat crews have an understanding of the radar system, have the boat crews acquire targets and track their movements. Start with targets within eye sight and work to targets that are over the horizon. " Pursuit Tactics: This will bring all the training together to complete the mission. The will provide the boat crews with maneuvers to finish a pursuit of a target. It will be explained to the boat crews that these maneuvers are suggestions operators should refer to their own Partner Nation Use of Force/ Standard Operating Procedures. " Yanmar Engine Maintenance: This block will concentrate on service and maintenance requirements of the engines and its sub systems to include oil changes, filter changes, sacrificial zinc removal/replacement, turbo replacement, intake and exhaust valve adjustment, alternator belt adjustment and replacement, raw water pump service, internal cooling systems service, engine alignment, and trouble shooting. " Mercury Out Drive Maintenance: This block will include instruction in removal disassembly, overhaul and reassembly of the out drive and transom gimbal assembly, service of sacrificial zinc anodes, lubricating oil change and trouble shooting. " Fiberglass repair: This block will include instruction in repair of cracks and failures in structural components that make up the vessel structure of stringers, bulkheads, deck beams, deck and hull, transom and engine beds. " Electrical, Hydraulic and Fuel Systems: this block will include instruction in trouble shooting repair and replacement of the bilge pumps, lights, engine hatch lifter, drive trim, trim tabs, fuel level senders, fuel valves and fuel polishing system.

**PRE-REQUISITE:**

**COURSE NOTES:** This Contractor has a resident MASL P145870 Maritime Intercept Training

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| **P309247** | MTT-PSW | U | MTT SPECIAL OPS COMMAND PACIFIC (SOCPAC) TRAINING | 4.4 | VAR | |

**ECL:** **EIMET:** No

Generic MTT MASL for Special Operations Forces tailored training conducted in the PACOM region as directed by SOCPAC.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309251** | PR289 | U | MTT PERSONNEL RECOVERY PR 289 | 0.2 | VAR | |

**ECL:** **EIMET:** No

PR 289 provides a tailored briefing for Senior Leaders. The seminar as an (MTT) provides attendees with an overview of generalized and/or tailored PR info to meet their specific roles and responsibilities in Personnel Recovery. This seminar is usually conducted in conjunction with other MTT's or as part of an exercise.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309252** | PR290 | U | MTT PERSONNEL RECOVERY PR 290 | 0.6 | VAR | |

**ECL:** **EIMET:** No

290 provides instruction on personnel recovery policies, response procedures, and lessons learned. The academic units in this course include: Requirements and Tasks, Recovery Force Planning, Command and Control, Intelligence Support, JPRC/PRCC, Information Management, Reintegration and Mission Management, case studies and tabletop exercise. This course is also highly adaptable to a target audience's specific focus.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P309254** | PR296 | U | MTT PERSONNEL RECOVERY 296 | 0.2 | VAR | |

**ECL:** **EIMET:** No

PR 296 provides tailored personnel recovery training to endorse reintegration team members to perform duties associated with organizing and managing reintegration events. The course includes training in the reintegration process; team member composition and logistics, planning considerations, dealing with the media, and family support. The scope of training includes the use of case studies depicting recent events and how to best deal with the complexities of the experience.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309267** | MTT-PAG | U | MTT CSOSS | 1 | VAR | |

**ECL:** **EIMET:** No

This course will provide the technician the tools to use the CSOSS in determining the proper steps to energize/repair ship s combat systems suite. Training will be classroom and system equipment. Lessons include: Knowledge and Comprehension of Aegis Combat System Management (Area Supervisor / CSOOW); Drill guide/package development; CSOSS Casualty Walk Thru; Combat System Initialization Exercise; and Combat System Casualty Control Exercise (CSCCE) to establish and maintain proficiency. To support Specialized Briefs, a computer overhead projector, viewing screen and space adequate to hold ships Combat Systems Technician and maintenance personnel, any associated ships self evaluation team personnel and documentation (ITEMs) are required. Primary and periphreal combat systems equipment required to support Combat Syytems must be energized and operartional the days the events are scheduled.

**PRE-REQUISITE:** There are no prerequsites for . Combat Systems Operations and Sequencing Systems (CSOSS).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309277** | MET-PGS | U | MET PEACEKEEPING OPERATIONS | 1 | VAR | |

**ECL:** **EIMET:** No

This MET will be tailored to local military regulations in the delivery country and will prepare military officers for complex UN peacekeeping operations. After completing the course, participants are more knowledgeable about the UN system, current UN PKO training guidelines, education and training methodologies, and curriculum development. Learning Objectives: " Understand the UN system and PSO principles " Become familiar with PSO development and guiding documents " Become familiar with the UN Operations strategic concept, and restrictions and interests which govern voting mandates in the UN Security Council " Analyse current operations in peace support operations as a staff officer and conduct adequate actions at the HQ of any level " Become familiar with legal aspects ROE's included, Human rights and humanitarian law " Become familiar with documents which define the status of peace support forces and employ code of conduct that regulates behaviour and discipline of force members " Become familiar with CIMIC " Become familiar with IO/GO/NGO, their role and mandate " Become familiar with cultural challenges in a PSO environment " Recognise the importance, techniques and role of the media in relation to a PSO " Understand PSO Techniques and Procedures " Become familiar with the UN IMPP " Enhanced ability to function in a multi-national peace operations environment " Be introduced to the PSOM Wargaming Simulation for modelling Peace Support Operations and training exercises

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309287** | MET-CMR | U | MET INTEL AND DEMOCRACY | 0 | VAR | |

**ECL:** **EIMET:** Yes

Policy Makers and Their Potential Contribution to Intelligence Reform in a Democracy, MET The Center for Civil-Military Relations' (CCMR) Expanded International Military Education and Training (EIMET) approved seminar entitled "Policy Makers and Their Potential Contribution to Intelligence Reform in a Democracy" is conducted by a Mobile Education Team (MET). The course aims to assist countries consolidate their democracies from the perspective of institutionalizing democratic intelligence systems (i.e. that are both transparent and effective), with particular focus on the role and contribution of policymakers to reform. In all democratic systems, intelligence reform is a "Gordian Knot" that incessantly tests policy makers: the onus is on them to develop and maintain intelligence systems that protect democracy (and are democratically accountable), while, at the same time, maintaining secrerecy. There is no clear solution to this challenge. In well-established democracies policy makers have developed mechanisms to tackle the "democracy-intelligence" dilemma, yet these mechanisms are relentlessly being revised and reworked. In new democracies, however, decision makers have to create these mechanisms from ground zero, and do not always succeed in balancing effectiveness with transparency. In those that do succeed, decision makers face numerous challenges, yet, after long and protracted endeavors, may eventually manage to accommodate effectiveness and transparency. Both interest and willingness (whether self-initiated or due to outside pressure or/and incentives), as well as expertise, on the part of policy makers are paramount in successful intelligence reform. As in many democracies (old and new) policy makers, for various reasons, either lack interest or expertise (or both) on how to deal with intelligence reform, this course (which focuses on the potential contribution of policy makers to the democratic reform of intelligence) seeks to compensate for these lacunae. It includes discussions on what intelligence reform involves, discussions and debates on why democratic reform of intelligence should matter to policymakers, and why it is incumbent on them to invest time and effort in intelligence democratization, as well as insights regarding policymakers' potential contribution to reform (including inherent challenges and available practices to overcome them). The course will provide participants with a wide range of case studies and examples from both established and developing democracies. The key objectives of this course are to: 1. Provide participants with an understanding of the relevance of Intelligence Reform in a democracy 2. Provide participants with insights on why it is important that policy makers to become involved in intelligence reform in a democracy (including discussion on the advantages versus negative outcomes in case they do or not engage in intelligence reform) 3. Familiarize participants with intelligence reform requirements, challenges, and opportunities; and 4. If required/needed, assist participants in developing an action plan for intelligence reform in their own countries. CCMR's approach to teaching the "Policy Makers and Their Potential Contribution to Intelligence Reform in a Democracy" course is to focus instruction on the specific conditions and unique requirements of a country, and in consonance with ODC/SAO/MILGROUP guidance. Participants will be provided with necessary theoretical knowledge by academic lecturers and experienced practitioners. The workshop utilizes case studies and simulation exercises to provide participants with the knowledge and skills needed by policymakers to reform their national security institutions. Participants will be exposed to all critical elements of intelligence reform, including: role of intelligence in providing national security and safeguarding democracy, developing legal frameworks for intelligence, institutionalizing democratic control and oversight,professionalization of intelligence, interagency coordination, international intelligence cooperation and sharing, developing a security and intelligence culture. The course objectives are achieved through the rigorous application of problem solving with particular emphasis on working with civilian and military officials of all government and security sector branches in a group setting to develop deliverables for implementation within a recipient country. At the end of the course, the participants will have an enhanced understanding of the opportunities and challenges associated with intelligence reform, of the need to become involved in, or even take the lead in, intelligence reform, as well as the reform impact on democratization and civil-military relations. They will be able to develop actionable recommendations to improve existing intelligence reform processes, as well as be capable of developing country-specific implementation processes and strategies. Participants The seminar is designed for international civilian decision makers from all government branches (executive, legislative, judiciary), and military/intelligence officers in the ranks of major to general, as well as civil society representatives (NGOs, think tanks, academia, media). Translation The course is taught in English. Where necessary, the course is delivered with simultaneous interpretation into the local language.

**PRE-REQUISITE:**

**COURSE NOTES:** Cost Prior to the MET, CCMR will prepare a budget of all costs to be incurred over the course of the program. ODC/SAOs will be asked to provide estimates of costs that they will incur in-country to host a program for inclusion in the total budget. Costs incurred by CCMR include transportation, faculty and staff salaries, and lodging and per diem for MET team members. In-country costs that will be included in the MET include translation and reproduction of course materials, site rental (including daily lunches), and interpreters' salaries. While costs vary widely depending on air fares, number of faculty, and other factors, a MET budget will normally total between USD 40,000 and 60,000. Should a pre-course survey be determined necessary to coordinate with embassy and host nation representatives, it costs normally total between USD 8,000 and 15,000 and can be programmed under MASL P309073. Regional versions of the course could be programmed under MASL P273001; there is also a residence version, MASL P170009.

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| **P309296** | MTT-PGS | U | MTT INTRODUCTION TO WARGAMING | 1 | VAR | |

**ECL:** **EIMET:** No

Training provides participants with an introduction to wargaming, a course focused on military decision making. Wargaming techniques, when applied properly, provide a structured environment that permits military professionals to gain insight into complex military problems. The focus of this course is learning the fundamentals of wargaming that will enable the student to design, develop, and analyze a wargame for a sponsor to address that sponsor's needs. It covers history, types, methods, and planning steps of wargaming and includes a "hands-on" component to allow participants to apply their new knowledge and plan/run a real wargame.

**PRE-REQUISITE:**

**COURSE NOTES:** This course will require one site survey at least 30 days prior to the course. An additional site visit may be required to assist, assess, and critique wargaming projects completed by the students trained.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309298** | MTT-PCP | U | MTT HUMANITARIAN ASSISTANCE RESPONSE TRNG (HART) | 0.6 | VAR | |

**ECL:** 80 **EIMET:** No

The Center for Excellence in Disaster Management and Humanitarian Assistance (COE) offers a Mobile Training Team International Military Education and Training (IMET) workshop course entitled Humanitarian Assistance Response Training (HART) exportable on demand to all Security Assistance (SA) eligible countries. These course offerings can be resourced with IMET funds, or host nation funds (on and FMS case), and will be open to enrollment to other SA eligible countries to enhance the multinational flavor of the course. The Humanitarian Assistance Response Training (HART) is an introductory course designed to provide international military student officers (IMSO) with information about military support to civilian-led international disaster response and humanitarian assistance operations in times of peace and insecurity. Graduates of this course will be better prepared to plan and execute disaster response and humanitarian assistance missions involving civil and military international actors. Course Objectives The key objectives of the course are to provide to participants instruction and technical assistance on: (1) The key responding agencies from the affected State, assisting States, assisting state military forces and the humanitarian community, and their respective roles, responsibilities and obligations in international humanitarian assistance and disaster response operations; (2) The fundamental principles followed by the International Humanitarian Community (IHC) in international response operations, including the Principle of Do No Harm, which influences every aspect of their planning and operations; (3) International response coordination principles and mechanisms utilized in international response operations, including Humanitarian Civil-Military Coordination (UN CMCoord) and the Cluster Approach; (4) Identifying who are the populations affected by disaster or humanitarian crises, what are their respective rights and who is responsible for their care, maintenance and protection under International Law; (5) Disaster Management principles and issues, including response, recovery, preparedness and mitigation; and (6) Medical and Public Health issues in humanitarian assistance and disaster response operations. The three-day (24 hour) program emphasizes an understanding of the major responders, lessons learned from previous disaster response and humanitarian crisis emergencies, key public health issues, issues relating to the care and protection of refugees and internally displaced persons, International Humanitarian, Human Rights, Disaster Response and Refugee Law, security issues, civil-military coordination of operations, and measures of effectiveness as the primary topics, practiced in a table top exercise during the course. COE's instruction will be consistent with graduate-level professional programs. The course is designed to be an intensive, focused-learning experience. Once students complete this course, they will be familiar with UN, regional, multi-national and humanitarian interagency coordination, public health, security and disaster management. This course is designed for personnel serving in leadership or planning positions of military commands or organizations that plan and execute Disaster Response, Humanitarian Assistance and/or Peace Support operations, or develop and implement such policy, or conduct educational/training programs in support of these operations. At the end of this course, the students will be better prepared for participation in disaster response and humanitarian crisis emergencies in a multi-national, coalition or United Nations environment. Participating officers will understand the importance of established and emerging international methods of operation and coordination. Moreover, participants will understand how to adapt these procedures and arrangements to meet changing operational requirements. Faculty teams COE task-organizes each team in order to optimize the specific expertise requested by the ODC/SCO. However, as a general rule, COE faculty teams are relatively small (four individuals) consisting of proven civilian and military subject-matter experts.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation The course will be taught in English. Where necessary, the course can be delivered with simultaneous interpretation into the target language as provided by the requesting agency. An English Comprehension Level (ECL) score of 80 is required. Cost Participant costs to attend the course are based on location, venue, enrollment (plus translation services if requested). Participant travel cost are a host nation responsibility.

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| **P309330** | MTT-APS HOST | U | MTT APS MDA INTERAGENCY OJT & MENTORING | 1 | VAR | |

**ECL:** **EIMET:** No

APS MTT in support of the African Partnership Station MTT-Maritime Domain Awareness Interagency On-the-job Training and Mentoring Trainer: US Naval Control and Guidance of Shipping (NCAGS) Students: Navy and agencies that have a responsibility for national maritime surveillance (marine police, Fisheries, marine parks). This course introduces students to the concept of MDA in the host nation environment. It will be tailored to fit the national environment, level of development and equipment types. The course topics include: introduction to MDA, basic computing, MDA software systems (TV32, MPM300, MSSIS), open source MDA sites, ship reccognition, using AIS web sites, maritime surveillance, radar operation, AIS systems, radio communication and system maintenance. The class will include visits to other operations centers (fisheries, port authority, maritime rescue center) to understand the capabilities and contributions of other agencies to national maritime surveillance. Students will be expected to present a brief to their commanding officer on an MDA topic important to their organization. Regional Country Participants will be programmed under P279330.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309339** | MTT-APS HOST | U | MTT APS MARITIME INTELLIGENCE WORKSHOP (MIW) | 10 | VAR | |

**ECL:** **EIMET:** No

APS MTT in support of the African Partnership Station MTT-Maritime Domain Awareness Maritime Intelligence Workshop (MIW) The Basic maritime intelligence workshop… focuses on intel concepts and fundamentals: Op-Intel basics, watch floor operations, introductory analysis, and operational security. Regional Country Participants will be programmed under P279339.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309340** | MTT-APS HOST | U | MTT APS MARITIME INTELL & OPS FUSION CEN (MIOFC) | 1 | VAR | |

**ECL:** **EIMET:** No

APS MTT in support of the African Partnership Station MTT-Maritime Domain Awareness Maritime Intelligence and Ops Fusion Center (MIOFC) Workshop Designed to prepare analysts, boarding teams and maritime security specialists to utilize operational and actionable intelligence reporting, learn gathering and exploitation techniques for maritime security operations. Regional Country Participants will be programmed under P279340.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309341** | MTT-APS HOST | U | MTT APS MARITIME INTELL COUNTER TRAFFICKING (MICT) | 1 | VAR | |

**ECL:** **EIMET:** No

APS MTT in support of the African Partnership Station MTT-Maritime Domain Awareness Advanced Marine Intelligence Counter Trafficking (MICT) Workshop Basic illicit trafficking fundamentals … designed to maximize the effectiveness of operational and actionable intelligence reporting, gathering and exploitation for maritime security operations. Regional Country Participants will be programmed under P279341.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309343** | MTT- PCIS | U | MTT NCIS LAW ENFORCEMENT OPERATIONS SEMINARS | 0 | VAR | |

**ECL:** **EIMET:** No

II. Naval Criminal Investigative Service, Security Training Assistance and Assessment Team - Atlantic, Law Enforcement Operations Course LAW ENFORCEMENT TECHNIQUES 1. Location: Various 2. Length: 5 Days 3. Maximum Number of Participants: 18 Description: This seminar is designed to provide the officer responding to various law enforcement situations with effective techniques for dealing with such situations. Numerous laboratory exercises are presented to support seminar topics. Seminar Topics include: 1. Observation & Assessment Field Interviews 2. Apprehension (handcuffing, searching, transporting) 3. Unarmed Individual Self Defense Skills 4. Crime Scene Preservation of Evidence 5. Vehicle Stops & High Risk Vehicle Stops 6. Introduction to Improvised Explosive Devices 7. Vehicle Inspections (VBIED) 8. Tactical Movements (CQB) 9. Rapid Response Active Shooter 10. Baton Techniques Participant/Instructor Ratio: Class - 18:1 Lab - 6:1 Required Support: Classroom and building with access to halls, stairs ways and rooms. An area to conduct scenarios (lab exercises). Strike bags, training batons, floor mats, Red guns, web duty belts vehicle inspection mirrors, handcuffs, Hand held radios and police vehicles and unmarked vehicles, role players. BOMB THREAT MANAGEMENT 1. Location: Various 2. Length: 4 Hours 3. Maximum Number of Participants: 18 Description: Classroom and practical scenario's on how, when and in what order to search a building or facility after receiving a Bomb Threat. Seminar Topics include: 1. Handling Procedures 2. I.E.D. recognition 3. Explosive definitions 4. Delivery Methods 5. Components of I.E.D.'s 6. Mitigation 7. Receiving Threats 8. Evacuation 9. Search methods and procedures 10. Equipment 11. Search Teams Participant/Instructor Ratio: Class - 18:1 Lab - 6:1 Prerequisites: None Required Support: Classroom, inert I.E.D.'s, Building for practical scenario. SURVEILLANCE DETECTION 1. Location: Various 2. Length: 3 to 5 Days 3. Maximum Number of Participants: 18 Description: This seminar enables participants to conduct basic surveillance detection and analysis to protect a facility, area or VIP, and identify vulnerabilities within a facility. The seminar will also present designated personnel with the ability to assemble a surveillance detection team/unit and assist those members in monitoring specified areas to detect surveillance. The participants will be able to conduct detailed facility, area and route analysis, which will identify, limit, and correlate surveillance signatures and locations. This seminar can be tailored to cover a single facility (3 days) or a large area when a VIP may be visiting many venues (5 days). Numerous laboratory exercises are presented to support seminar topics. Seminar Topics include: 1. Introduction to Terrorism & Terrorist Operations 2. Surveillance Methodology 3. Facility & Area Analysis 4. Route Analysis 5. Route Analysis Mapping & Planning 6. Surveillance Detection Planning & Reporting Participant/Instructor Ratio: Class - 18:1 Lab - 6:1 Prerequisites: None Required Support: Area or areas to conduct practical scenarios. Vehicles, hand held radios, cell phones, role players and laptop computers, digital cameras. CRIME SCENE INVESTIGATIONS 1. Location: Various 2. Length: 5 Days 3. Maximum Number of Participants: 18 Description: This seminar is intended to provide participants with the knowledge and skills to thoroughly process a crime scene. Through lecture and demonstration participants shall process a "mock" crime scene using knowledge and skill sets obtained in crime scene response, evidence collection, documentation and management, photography, finger printing and I.D. procedures, response to terrorist bombings and drug recognition. Seminar Topics include 1. CSI Introduction 2. Crime Scene Response 3. Crime Scene Duties and Responsibilities 4. Evidence Collection 5. Crime Scene Documentation 6. Crime Scene Management (practical) 7. Crime Scene Photography 8. Crime Scene Impressions 9. Fingerprint I.D. 10. Fingerprint Collection and Processing 11. Crime Scene Evidence (practical) 12. Incident Response to Terrorist Bombing, Terrorism & Energetic Materials 13. Recognition & ID of Energetic Materials 14. Incident Response 15. Suicide Bomber 16. Crime Scene Response (practical) 17. Drug Recognition 18. Rave & Club Drugs 19. Traffic Stops 20. Clan Lab and Safety 21. Crime Scene Processing (practical) Participant/Instructor Ratio: Class - 18:1 Lab - 6: 1 Prerequisites: None Required Support: Small rooms, training/adhoc drugs, glass or soda can, 4 digital cameras, expended shell casing, 4 print kits, safety glasses and rubber gloves, training INERT IED/explosive, 2 vehicles, large parking lot. MECHANICAL ADVANTAGE CONTROL HOLDS 1. Location: Various 2. Length: 3 Days 3. Maximum Number of Participants: 18 Description: This seminar discusses and performs the 5 basic Mechanical Advantage Control Holds for non-compliant subjects/suspects. Seminar Topics include: 1. Proper MACH take down techniques 2. Subject escort positions 3. Handcuffing techniques 4. Team control holds 5. Team handcuffing techniques 6. Baton MACH techniques. Participant/Instructor Ratio: Class - 18:1 Lab - 6:1 Support: Shields, foam batons, non-lethal weapons, riot-gear, and medical personnel.

**PRE-REQUISITE:** A law enforcement background is recommended and physically fit for duty.

**COURSE NOTES:**

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| **P309347** | MTT-PAG | U | MTT DEVELOPING USER REQUIREMENTS | 0.8 | VAR | |

**ECL:** 70 **EIMET:** No

Training Ship's officer's/crew USN methods of evaluation procedures. They will in turn teach other personnel within their military.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309348** | MET-ATM | U | MET LOGISTICS AND LIFE CYCLE MANAGEMENT | 1 | VAR | |

**ECL:** **EIMET:** Yes

This five day course examines components and characteristics of effective logistics systems. Emphasis is placed on identification of the life cycle phases, and the important considerations in developing cost models that predict the likely total ownership cost of a major weapon system. Objectives: The key objectives of this course are to: 1. Examine the fundamental concepts and framework for structuring an effective logistics management system. 2. Examine and apply, in detail, best practices in improving logistics systems to enhance participants' understanding of methods that lead to successful logistics management systems. 3. Understand and utilize financial and other necessary logistics management tools. 4. Develop periods and phases of the acquisition life cycle which include key decision points, such as identification of project goals, project products, business budget and technical considerations. 5. Provide course participants with the tools and techniques necessary to develop reasonable life cycle cost models for armaments projects. 6. Assist organizations in their efforts to develop and institutionalize efficient and effective problem solving and decision making techniques related to logistics, sustainment of systems, and life cycle management. Topics include logistics planning, acquisition logistics, logistics program implementation, lifecycle management, total ownership cost model, life cycle cost, RAM (reliability, maintainability, and availability), and test and evaluation. Learning methodologies include lecture, open discussion, in class exercises and case studies. Course participants will work on a small group project aimed at development of a range of estimate for the purchase, sustainment, and disposal of a major weapon system considering factors such as organic versus contractor logistics support, risks, and international factors that influence cost. Participants: This course is designed for international military officers and civilian equivalents of grades 04-06 who participate in and/or manage logistics and life cycle management of projects. Course Dates: The course is exported and customized given a country's specific requirements.

**PRE-REQUISITE:**

**COURSE NOTES:** Course Dates: The course is exported and customized given a country's specific requirements.

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| **P309351** | MTT-PCL | U | MTT HYPERBARIC OXYGEN THERAPY | 1 | VAR | |

**ECL:** **EIMET:** No

Origins of hyperbaric oxygen therapy: Essentially a history lesson discussing the development of and transition from hyperbaric air to hyperbaric oxygen treatment. It also covers what HBO2 is and what it is not - i.e. TOPOX, mild hyperbaric therapy, self-administered home treatment. Topics include: Basic HBO2 Physiology, Accepted Clinical Indications, Non-Accepted Clinical Indications, HBO2 Research and Potential Indications, Current Concepts in Wound Care, HBO2 Contraindications and Complications, Transcutaneous Oximetry, Patient Selection, Assessment and Management, Treatment Table Consideration, and Altitude DCS.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309353** | MTT-PDA | U | MTT NCAGS MOBIL TRAINING TEAM | 0 | VAR | |

**ECL:** **EIMET:** No

To provide Naval Coordination and Guidance for Shipping (NCAGS) Communications, Operations, and Procedures Training. Scope: This course can be tailored to the country's requirements. Special Notes: This course is associated with training provided under resident training MASLs P179075, P179076, and P179134

**PRE-REQUISITE:**

**COURSE NOTES:** This course is associated with training provided under resident training MASLs P179075, P179076, and P179134

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|---|---|---|---|---|---|---|
| **P309354** | MTT PNA | U | MTT INTRO TO OP TEST & EVAL FINLAND (INTRO TO OT) | 1 | VAR | |

**ECL:** **EIMET:** No

This course will cover, at an introductory level, the concepts and methods for conducting operational testing of aircraft. The course is based on a current Intro to OT course offered by the US Naval Test Pilot School as part of their training curriculum to the T&E community. Syllabus events include the following: OT in the Acquisition process, USN OT structure (COTF), Differences with DT versus OT, Risk Management, Test Planning, Team Roles & Responsibilities, Data Collection and Analysis, Design of Experiments, Integrated Evaluation Framework, Resourcing and Asset Planning, Measures of Effectiveness and Suitability, Report Writing, Control Systems, Human Factors Evaluation, Modeling & Simulation in the OT environment, and class exercises to reinforce all the aforementioned subjects.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309355** | MET CCMR | U | MET COURSE DEVELOPMENT | 0 | VAR | |

**ECL:** **EIMET:** No

Design and develop training for export to CTFP and IMET countries.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309361** | MTT-PAG | U | MTT F-105 CSOSS II | 1 | VAR | |

**ECL:** **EIMET:** No

Provide the Combat Systems Training Team (Tactical and Technical) the knowledge to develop, plan, brief, execute, and debrief a scripted Combat Systems Tactical Exercise (CSTE) utilizing the Aegis Combat Training System (ACTS) in conjunction with Combat Systems Casualty Control Exercise (CSCCEs).

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P309363** | MET-CMR-CT | U | MET CIVIL-MILITARY LEADERSHIP IN COMBATING TERR | 1 | VAR | |

**ECL:** **EIMET:** No

The Center for Civil-Military Relations (CCMR) offers a one-week seminar/workshop on leadership as a vital element of any government's approach to solving the complex problems of terrorism. All decision-makers, civilian and military, are confronted with a multiplicity of issues that complicate strategic and operational judgment calls. This course will examine those factors and determine what it takes to make the right decisions. The course will also examine the behavioral requirement of good leadership in ambiguous environments, including the ethics of fighting terrorism. Also covered will be management practices that lead to the wisest distribution of scarce government resources. Terrorism competes for those resources with other traditional and transnational threats; skilled leaders understand how to balance risk from all threats. This seminar will address civilian as well as military leadership. It is designed to capitalize on the experience of each participant in order to construct a complete picture of how governments make tough decisions with limited resources. The program can be conducted bilaterally or regionally. The CCMR faculty will make principles-based presentations and offer relevant case studies to profile the issues for discussion by the audience. Short classroom exercises will complete the academic content. This is not a training program, but rather an educational experience aimed at widening each participant's perspective. Key objectives of the course include: " Define leadership and management in the context of fighting terrorism. " Distinguish leadership and management from one another. " Linking will, intent, concept, and action in devising strategy and operations against terrorism. " Critical and creative thinking: How to think outside the box when 'school solutions' will not work. " Leadership in multi-dimensional problem sets. Examine how leadership requirements are different in fighting terrorism and other irregular threats. " Deciding how to weigh all-hazard risk assessment and distribute resources needed to mitigate the most significant risks. " How to incorporate innovation into the building and restructuring of government institutions. " Working with other institutions and stakeholders to produce national security. How to maintain focus on the only institution that really counts - the government itself. " How to cooperate and collaborate with all stakeholders in ambiguous environments, including NGOs and other non-state actors with relevant capabilities. " Emphasize the importance of fighting ethically against terrorism. Ethics is more than strict adherence to legal guidelines; it forms the very basis for establishing legitimacy. The workshop will be custom-built for each government. It is critical for US embassy/ODC officials to populate the workshop audience with key officials from institutions with national security responsibilities. The ideal demographic is "the next generation of leaders." The composition of the audience will be a critical factor in creating conditions for successful outcomes. Without interagency audiences, this program will have limited value. Indeed, one of the lessons to be taught is that unless the whole government is involved in the fight against terrorism that government will have limited success. Special Notes: Cost: This workshop should be programmed for $75K (includes all CCMR costs, plus the in-country costs of translation, interpretation and venue expenses). Proposals for this MASL must be forwarded in the same format as other CT Fellowship Program (CTFP) financed events. Other funds may be used if the workshop is deemed to be consistent with the purpose of the proposed funding and approved by the managers of those funds.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309364** | PR292 | U | MTT JOINT PER RECOVERY EXE FOR COMPONENTS PR 292 | 0 | VAR | |

**ECL:** **EIMET:** No

Joint Personnel Recovery Execution for Components. To enable component personnel to prepare for and coordinate the execution phase of personnel recovery. The course content includes: PR Fundamentals review, PR History, the Five PR Execution Tasks, Command and Control, JPRAC/PRCC Roles and Responsibilities, Information Management, Interagency Coordination and Mission Coordination.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309368** | MET-CMR | U | MET TRANSNATIONAL ORGANIZED CRIME AND TERRORISM | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar/workshop focused on transnational organized crime (TOC) as a national security threat. This course will examine all organized crime with international dimensions and explores TOC's linkages with terrorism. Although strategic partnerships between criminals and terrorists are uncommon, both phenomena threaten governments and societies in similar ways. In some countries that CCMR has visited, fighting organized crime is tantamount to fighting terrorism. For many governments, crime has become the primary national security threat (TOC has traditionally been viewed solely as an issue for law enforcement, but it often requires coordinated efforts by police, defense, and intelligence institutions). In order to understand terrorism, it must be distinguished from organized crime. This course will make that distinction; then consider the 'Dark Networks' that allow criminals and terrorists to operate in the same poorly governed spaces. The relationship between organized crime and terrorism is complex; we will break it down systematically, determine the vulnerabilities of each, and facilitate the efforts of our international partners to craft effective strategies against both threats. This program is a combination of seminar and workshops. It begins with risk assessment and culminates in strategy building. It is designed to capitalize on the experience of each participant in order to construct a complete picture of how governments make tough decisions with limited resources. The CCMR faculty will make principles-based presentations and offer relevant case studies to profile the issues for discussion by the audience. Short classroom exercises will complete the academic content. The US experience will be mentioned, but the course will be focused on local and regional challenges. This is not a training event, but rather an educational experience aimed at widening each participant's perspective. The program can be conducted bilaterally or regionally. Key objectives of the course include: "Examine all transnational criminal threats to participating governments/regions and rank-order the risks associated with those threats. "Distinguish between TOC and terrorism, examining the linkages between the two. "Explore the challenge of 'Ungoverned Spaces' over which governments exercise little effective control. "Integrate all forms of transnational criminal activity, including cyber crime, illegal maritime trafficking, and piracy. "Examine 'threat finance' and the methods for taking resources away from criminals or terrorists. "Develop critical and creative thinking: How to think outside the box when 'school solutions' will not work. "Discuss the principles of building focused, strong, and clean institutions with the capacity to control organized crime - and to prevent terrorists from deriving support from TOC. "Examine the roles of security institutions relative to fighting crime and terrorism, exploring in a workshop how governments can mix military and law enforcement organizations together most effectively. "Explore the role of intelligence services in analyzing criminal and terror networks. "Develop national and regional strategies against TOC and terrorism. The program will be custom-built for each government. It is critical for US embassy/ODC officials to populate the workshop audience with key officials from all host-nation institutions with national security responsibilities. The composition of the audience will be a critical factor in creating conditions for successful outcomes. Without interagency audiences, this program will have limited value. Indeed, one of the lessons to be taught is that unless the whole government is involved in the fight against organized crime and terrorism, that government will have limited success.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309370** | MET-CMR | U | MET CYBERSECURITY POLICY AND PRACTICE | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar entitled "Cybersecurity Policy and Practice" for nations that are interested in developing capabilities to defend cyberspace. National security and economic prosperity are threatened daily through exploitation, intrusion or attack in cyberspace by criminal, transnational or regional competitors. This offering prepares decision-makers to effectively consider, design and implement policies and practices for safeguarding unfettered access to and use of cyberspace. The key objectives of the seminar are to familiarize participants with: Trends, contexts, and implications of persistent cyber threats Roles, authorities, dependencies and vulnerabilities for cyberspace Commercial sector, civil agency, and military department cooperation mechanisms In an effort to build capacity for economic growth and innovation, participants will explore policies and practices for maintaining advantage over competitors that seek to exploit, disrupt, deny, and degrade the networks and systems our societies and militaries depend upon. They will examine barriers to effective policy and practice development and ways to respond using a comprehensive approach for cybersecurity. The seminar will offer a menu of congruent topics for selection by the nation to include: Policy aspects for a unique and ubiquitous domain, such as international regimes and norms, domestic regulatory structures, cyberspace deterrence, and cyberweapons control. Practices to enhance partner capabilities, such as security management, risk management, work force development, public-private partnerships, and interagency exercises. The delivery format combines informational presentations on academic and practical frameworks with a capabilities based assessment of collective capacity to counter cyber threats in a notional scenario. The participants will learn how to identify and field capabilities to detect, assess, prevent, defend and recover in case of a cyber attack against systems of critical importance. This event is delivered in partnership with the National Cybersecurity and Communications Integration Center, Air Force Institute of Technology, Air Force Research Institute, and with representatives from select International or Domestic Centers or Institutes for Cybersecurity. Participants The seminar is designed for senior international officials from ministries of defense, foreign affairs, and communications. Public and private sector representatives responsible for cybersecurity are welcome to attend. Faculty Teams: consist of academic scholars, proven subject-matter experts and experienced practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:** Course will be taught in English or be delivered with simultaneous interpretation.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309371** | MET-PGS-PPTE | U | MET NETWORK SECURITY | 10 | VAR | |

**ECL:** **EIMET:** No

The 10-week hybrid MET course (1 week MET; 8 weeks distributed learning; 1 week MET) is to provide a thorough conversational knowledge of all dominant terminology, principles and technologies involved in the bits-in-transit aspect of network security. Learning Objectives: a. Understand the protection of legitimate network traffic via cryptographic mechanisms b. Ability to detect and filter malicious network traffic via authentication methods, attack signature recognition and filter mechanisms and strategy c. Understand the patterns and protocols of “normal” network traffic d. Understand the rudiments of firewall deployment and rule-writing e. Properly apply cryptographic mechanisms to achieve the security objectives of confidentiality and/or integrity Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309372** | MET-PGS-PPTE | U | MET CYBER INCIDENT HANDLING & DISASTER RECOVERY | 10 | VAR | |

**ECL:** **EIMET:** No

The 10-week hybrid MET course (1 week MET; 8 weeks distributed learning; 1 week MET) defines the nature and scope of cyber security incident handling. It covers policy, planning, operations, and technology issues involved in and related to cyber incident handling plans. Learning Objectives: a. Understand intrusion/incident detection b. Able to minimize losses of service c. Maintain service continuity d. Conduct forensic analysis e. Understand Business Continuity (BCP), Disaster Recovery (DRP), and Continuity of Operations (COOP) f. Understand how to respond to specific incident types including: natural disaster, denial of service, malicious code, malicious misuse of hardware and firmware, unauthorized access, and data compromise Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:** Network Security (P309371)

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309373** | MET-PGS-PPTE | U | MET NETWORK TRAFFIC ANALYSIS | 10 | VAR | |

**ECL:** **EIMET:** No

The 10-week hybrid MET course (1 weeks MET; 8 weeks distributed learning; 1 week MET) builds upon the course Network Security by focusing upon the analysis of actual network traffic. Learning Objectives: a. Understand network protocol behavior b. Distinguish between “normal” and “abnormal” (likely malicious) online/network behavior and recommend mitigation plans c. Master the utilization of a protocol/traffic analyzer d. Develop forensic explanations for realized configuration errors or malicious attacks Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:** Network Security (P309371) Cyber Incident Handling and Disaster Recovery Planning (P309372)

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309374** | MET-PGS-PPTE | U | MET (PSOM) STAGE 1: COMP INTRO SIMULATION/MODEL | 1 | VAR | |

**ECL:** **EIMET:** No

The Peace Support Operations Model (PSOM) places participants in a realistic peace support operation (PSO) environment, during which time participants act and make decisions, which directly affect a PSO scenario. This 5 day MET course introduces participants to PSOM through a predeveloped scenario, developing their awareness for the value of modeling and simulation to support peace support operation (PSO) education. Learning Objectives: a. Understand the development background of PSOM b. Understand the PSOM exercise structure and how real world decisions are translated and input into model c. Develop basic PSOM user interface skills Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309375** | MET-PGS-PPTE | U | MET (PSOM) EXERCISE AND SKILLS SUSTAINMENT | 1 | VAR | |

**ECL:** **EIMET:** No

This course is designed for participants already familiar with the Peace Support Operations Model (PSOM). The course enhances the knowledge gained from Stage 1, a prerequisite, and goes further to link modeling and simulation with education and training objectives. Learning Objectives: a. Sustain skills acquired in Stage 1 of PSOM training b. Apply modeling and simulation activities to education and training objectives c. Strengthen staff planning and military decision making processes d. Address PSO concerns specific to nation Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:** Peace Support Operations Modeling (PSOM) Stage 1: Multi-level PSO Gaming (Country or Region Specific Simulation/Modeling (P309374)

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309376** | MET-PGS-PPTE | U | MET INTERNATIONAL MARITIME SECURITY | 2 | VAR | |

**ECL:** **EIMET:** No

This 10 day MET course addresses the application, strategies, and best practices of Maritime Security to promote increased stability and national security while countering illicit trafficking. Designed to highlight the issues facing governments, maritime armed forces, and merchant shippers including piracy threats, legal aspects of open seas engagement, protection of national/commercial interests, port security, and maritime defense. This course may be conducted for participants from a single or country or regionally with participants from multiple partner countries in order to leverage scarce resources. Learning Objectives: a. Develop roadmaps to improve national and/or regional maritime security b. Understand various strategies for countering illicit trafficking c. Demonstrate understanding of best practices for maritime security Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309377** | MET-PGS-PPTE | U | MET INTERDICTION OPS: MARITIME & GROUND EMERGING | 2 | VAR | |

**ECL:** **EIMET:** No

This course explores emerging technologies and methodologies of interdiction operations including remote sensing, detection, identification, trafficking, and shared situational awareness across distributed networks. The course includes case studies and hands-on exercises to reinforce the learning objectives. Learning Objectives: a. Understand new technologies and methodologies in interdiction operations b. Understand multiple stakeholder methodologies for command and control in interdiction operations including: naval and maritime forces, special operations forces, and civilian police forces c. Understand benefits of tactical networking d. Understand benefits of cyberspace collaboration across stakeholders to support strategic interdiction objectives Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309378** | MET-PGS-PPTE | U | MET CYBER SECURITY | 1 | VAR | |

**ECL:** **EIMET:** No

The 5 day MET course provides the leadership of participant nations' armed forces information on the security issues facing governments and militaries. Lab exercises will be used to improve the students' detailed knowledge of security threats and the methods used to exploit them as well as expand familiarity with the methodologies and motives used by those who will attack the networks they may someday defend. Learning Objectives: a. Understand methods used to obtain information about a remote network b. Understand methods used to exploit or subvert systems residing on a network c. Learn techniques to mitigate risks to networked systems d. Gain practical experience with current network attack and vulnerability assessment tools, as well as tools and methodologies for a systematic approach to reducing vulnerabilities Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309379** | MET-CMR | U | MET UN LOGISTICS OFFICERS COURSE | 2 | VAR | |

**ECL:** **EIMET:** Yes

MET UNITED NATIONS LOGISTICS OFFICERS COURSE For Regional MET please see P279379 Introduction: The Center for Civil-Military Relations (CCMR) offers a United Nations Logistics Officers (UNLOG) course. The goal of this training is to improve the ability of national armed forces to participate in the United Nations (UN) peacekeeping operations in order to resolve international crises. The specific purpose of the UNLOG course is to prepare and train officers (Captain - Lieutenant Colonel or civilian equivalents) for service as logistics officers in UN multinational and sector headquarters conducting peacekeeping operations. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping operations. Course Details: The UNLOG course can be conducted in residence at the Naval Postgraduate School (MASL P179047) or through a Mobile Education Team (MET), as a national (MASL P309379) or a regional (MASL P279379) course. If regional or in-residence, participants are invited from other countries in the area or worldwide to attend. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use Global Peacekeeping Operations Initiative funding, IMET/EIMET or be self-funded. Training Objectives: The CCMR/GPOI UNLOG will enhance capacities of participating nations by developing peacekeeping leadership capabilities and increase the number of trained logistics officers available for selection to posts in UN and other peacekeeping missions. The specific objectives of the UNLOG are to: a) examine major issues in modern peacekeeping operations; b) understand the UN structure to enable the performance of logistical staff duties; c) review the logistics management structures, including national, mission and UN HQ responsibilities; d) understand national roles and responsibilities concerning logistics for deployment/redeployment, supply and sustainment; e) and establish baseline logistics' staff skills necessary to operate within a UN, coalition or regional peacekeeping force headquarters. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises is problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the UNLOG consists of 3-4 SMEs and one senior SME with experience as a Logistics Officer in the field. Participants: The course is limited to 30 participants. These participants will be selected from countries world-wide. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309389** | MET-CMR | U | MET UNITED NATIONS STAFF OFFICERS COURSE | 2.6 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a peacekeeping training course entitled "United Nations Staff Officers Course" (UNSOC). The goal of this training is to assist nations in improving the abilities of their armed forces to better participate in United Nations (UN) peacekeeping operations. The specific purpose of the UNSOC is to prepare and train staff officers (Captain - Lieutenant Colonel or civilian equivalents) for service as staff officers in UN multinational and sector headquarters or within national contingents to conduct peacekeeping operations. Upon completion of the UNSOC, participants are expected to be competent in the knowledge, skills and attributes of effective UN staff officers. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. This course has received Official Training Recognition by the UN Department of Peacekeeping Operations, Integrated Training Service. It also includes best practices from training conducted by other nations involved in peacekeeping training. Course Details: The UNSOC can be conducted in residence at the Naval Postgraduate School (MASL P179045) or in a host country through a Mobile Education Team (MET) as a national (MASL P309389) or a regional (MASL P279389) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the UNSOC. The duration of the training is 17 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: The specific objectives of the UNSOC are to: a) examine major issues in peacekeeping; b) Understand UN role and responsibilities in peacekeeping; c) understand the Military Staff Functions and responsibilities in UN peacekeeping; and d) conduct operational staff planning processes for UN peacekeeping. Course Instructors: The instructor staff for the UNSOC consists of three to four SMEs and one senior SME with experience as a staff officer in the field. Participants: The optimum course size is 30 students selected from countries in the region or worldwide. Participant rank or grade should be equivalent to Captain - Lieutenant Colonel. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309390** | MTT-PCP | U | MTT AMPHIB WARFARE INDOC | 1 | VAR | |

**ECL:** **EIMET:** No

To provide a comprehensive indoctrination in amphibious operations, techniques, planning, ship-to-shore movement, supporting arms, tactical air, and landing force organization and functions in order to prepare officers and selected U.S. and allied Armed Forces enlisted personnel E-5 through E-9 to carry out shipboard and staff assignments adequately and with comprehension of purpose.

**PRE-REQUISITE:**

**COURSE NOTES:** THIS COURSE IS A PREREQUISITE FOR P124265, "NAVAL GUNFIRE LIAISON OFF", K-2G-0040.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309391** | MTT-PCP | U | MTT MARITIME PREPOSITIONING FORCE STAFF PLANNING | 1 | VAR | |

**ECL:** **EIMET:** No

The purpose of this course is to train students in the doctrinal knowledge and skills required in the operational planning, deployment and employment of Marine Air Ground Task Forces (MAGTFs) as part of the Maritime Prepositional Force (MPF). This training focuses on the composition of and planning tasks performed by command and staff personnel of joint staffs, service component, MAGTFs, Navy forces and Coast Guard forces. Scope: This course is taught with emphasis on layered training to build the student s knowledge based on MPF operations. 1. On the first day, the focus of the course is an introduction to MPF operations, organizations involved, command relationships, and deployment concepts. 2. The second day, the focus shifts to the MPF planning process to include marshaling, movement and deployment plans. Deployment systems and movement groups are discussed. Arrival and assembly organizations/functions are introduced. 3. On the third day the arrival and assembly plan itself is discussed. Beach, port, and airfield operations are covered as well as transportation and throughput. Finally, security and regeneration are covered. When feasible during resident courses, a guest speaker from Naval Coastal Warfare is planned for Wednesday afternoon. When feasible during MTT s to Okinawa, an MPF ship s tour is planned for Wednesday afternoon. 4. The fourth day is devoted to class review and the MPF staff planning practical exercise. To conduct the practical exercise, the class members are assigned to command and staff positions representing the Navy and Marine Corps organizations involved in MPF operations. A mission statement, commander s intent scenario, intelligence, country information and maps are provided to the students to allow them to develop their plan in accordance with the specific guidance provided. 5. On the fifth final day each assigned group will brief their deliverables for the MPF operations that they have planned according to scernario and mission. The other groups as well as the instructors will ask questions and offer critiques to maximize the utility of the practical exercise

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309392** | MET-CMR | U | MET UN PKO OPS INSTRUCTORS COURSE | 2 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Peacekeeping Operations Instructors Course" (PKOIC). The PKOIC targets national training center instructor cadres (or, if a national center does not exist, then unit trainers) and intensively covers key "Core Pre-deployment Training Modules" (CPTMs) issued by the United Nations Integrated Training Service/Department of Peacekeeping Operations (e.g., Command and Control, Disarmament-Demobilization-Reintegration, Human Rights, Humanitarian Assistance). The aim of the course is to enhance the knowledge base and instructor skills of peacekeeping trainers in United Nations (UN) peacekeeping essential topics. Upon completion of the course, participants will be well versed in UN issues in general and can train other peacekeeping instructors on UN polices and procedures (or train unit personnel directly on these issues). Upon completion of the course, participants have a thorough understanding of the characteristics and complexities of integrated UN missions and can successfully participate in them. The course is ideally suited for Captain through Colonel ranks (or civilian equivalents). CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The PKOIC can be conducted in residence at the Naval Postgraduate School (MASL P179048) or in a participating country through a Mobile Education Team (MET) as a national (MASL P309392) or a regional (MASL P279392) course. If regional or in-residence, participants are invited from other participating countries in the area or worldwide to attend the PKOIC. The duration of the training is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises will be problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the course consists of three to four SMEs and one senior SME. Participants: The optimum course size is 30 students. These individuals are identified from countries worldwide. Previous peacekeeping experience is desirable but not required.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309393** | MTT-PCL | U | MTT HSC WEAPONS SCHOOL ATLANTIC NVG | 1 | VAR | |

**ECL:** **EIMET:** No

Provide Country NVG Capabilities Assessment and Follow-on Training

**PRE-REQUISITE:** Basic NVG Capability

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309394** | N/A | U | MET PROT OF CIV PKO&PSO (TRAIN THE TRNR) | 1 | VAR | |

**ECL:** **EIMET:** No

This is a Train-the-Trainer iteration of a subject specific program. Emphasis will be placed on building sustainable training skills of the participants in POC as it relates to UN PKO/PSO. This short-course is designed to provide a common conceptual understanding of POC in the context of UN peacekeeping and the range of protection actors who work alongside peacekeeping operations. It describes the range of protection threats facing civilians and the role of peacekeepers in protecting against those threats. The course will identify the range of legal rules, authorities and obligations that govern the actions of Peacekeepers with regards to POC. It will also cover the rights and obligations of peacekeepers (particularly with regards to the use force as it pertains to POC). Additionally, the operational concept of the three tiers of protection activities – (Protection through the political process, Protection from physical violence, Establishing a protective environment) and the 4 phases of Protection Response – (Assurance/Prevention, Pre-emption, Response and Consolidation) will be discussed. Peacekeeping personnel will be familiarized with the unique nature of sexual violence in armed conflict as part of POC, distinguishing between conflict related sexual violence (CRSV) & sexual and gender based violence (SGBV), and will be left with a better understanding of the integrated approach required to prevent and address sexual violence. Throughout, the course addresses the human cost as well as the political and institutional consequences of the failure to “protect”. Learning Objectives: a. Enhance conceptual understanding of POC in the context of UN peacekeeping b. Increase effectiveness and interoperability of protection actors c. Address the unique nature of sexual violence in armed conflict as part of POC d. Provide sustainable training skills of the participants in POC as it relates to UN PKO/PSO

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309395** | MET-CMR | U | MET RESP TO CBRN WEAPONS TERRORISM | 1 | VAR | |

**ECL:** **EIMET:** Yes

MET Responses to Chemical, Biological, Radiological, and Nuclear Weapons (CBRN) Terrorism (OCONUS) The Center for Civil-Military Relations (CCMR) offers a one-week seminar in how governments can respond more effectively to the threats from Chemical, Biological, Radiological, and Nuclear (CBRN) weapons in the hands of terrorists. Given the consequence of such attacks, it is critical that governments construct strategies to prevent terrorists from using CBRN. If a CBRN attack cannot be prevented, a government must deal with the devastating consequences to their citizens and critical infrastructure. This course will help leaders from across the spectrum of government security institutions understand CBRN terrorism, prevent it, and, where necessary, deal with the consequences. This course has been developed to address a need that goes unfilled in the CT Fellowship program (CTFP). CCMR can send small teams of experienced teachers to any country that wishes to build its capacity to deal with these threats. CCMR can also conduct regional seminars where desired by COCOMs. The CBRN and Terrorism course will include the following areas of content, but it will be adjustable based upon the needs and interests of the host government. Key objectives of the seminar are: -Define CBRN terrorism and distinguish among the specific variants in this family of threats. -Rank order the risks associated with each CBRN threat to participating governments. -Discuss the overlap between terrorism and organized crime in the trafficking of CBRN components, as well as the weapons themselves. -Discuss 'Consequence Management' as a tool to deter CBRN terrorist attacks, or to deal with them if they cannot be deterred. -Present case studies of each CBRN threat, profiling how governments failed at prevention and dealt with the consequences. -Discuss how governments can target and degrade the 'dark networks' that enable terrorists and rouge states to acquire CBRN weapons. -Present a methodology for constructing a three-tiered family of strategies to accomplish the following: Diminish the root causes of CBRN terrorism and make CBRN terrorism less likely. Find, fix, and finish current terrorist organizations and criminal networks dealing in CBRN. Identify vulnerabilities to CBRN attack and develop the capacity to manage the consequences of such attacks Conduct a classroom exercise that requires small working groups to develop strategies aimed at preventing CBRN terrorism. This will include identifying the roles for each participating institution and how those institutions need to collaborate with each other - at the national level and at the local level. Introduce the 'Incident Command System' (ICS) as a model for organizing any government's response to a CBRN attack. A tabletop exercise can be conducted to teach government officials from all security institutions how to manage the consequences of CBRN attacks more effectively. Proposals for this training must be forwarded in the same format as other CT Fellowship Program (CTFP)-financed events. Other funds may be used if the workshop is deemed to be consistent with the purpose of the proposed funding and approved by the managers of those funds.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P309396** | MTT-PSE | U | MTT LASER SAFETY SPECIALIST (LSS) | 1.2 | VAR | |

**ECL:** **EIMET:** No

The LSS possesses the technical knowledge required to perform laser measurements, hazard evaluations and calculations. The LSS must successfully complete the ALA/LNTL-approved LSS course. TLSO certification is a prerequisite for the LSS course. WHO SHOULD ATTEND: Uniformed Military Members, Engineers, Scientists, System Analysts, Technicians, Technical Managers, Procurement Decision-Makers, and Military Planners.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309397** | MET PGS | U | MET FUNDAMENTALS OF INFORMATION TECHNOLOGY COURSE | 1 | VAR | |

**ECL:** **EIMET:** No

The 5-day course is tailored for military officers and civilian employees and provides an introduction to hardware, software, data organization, telecommunications and networks, Internet, and the World Wide Web. The course also addresses effective use of information technology in organizations to meet information needs of various levels of management. Extensive use of hands-on labs and demonstrations provide students with a thorough understanding of productivity tools, database management, and programming languages. Learning Objectives: a. Understand the concepts of information technology (IT) and information systems (IS) and a framework for discussing related concepts b. Understand how information technology is used in a variety of business functions and industries c. Understand state-of-the-art hardware and software technology used in information systems d. Appreciate the effort of developing software and understand its application and importance for businesses e. Understand the principles of databases, and database management systems f. Understand the fundamentals of telecommunications and networking as the most important infrastructure of modern information systems g. Understand the fundamentals of the Internet, from the backbone to Web technologies-hardware, software, and standards h. Appreciate the types of information that managers need in various levels of management, and the type of information systems to suit these needs i. Develop skills and understanding of information technology planning, development and acquisition Students will be evaluated through: Hands on Labs Exercise participation Hands-on Labs In addition to regular lectures, ten interactive labs reinforce key IT related concepts, enabling students to learn real-world computer-based activities in a simulated environment. These labs are designed to provide students with an enhanced learning environment through reading, observation, step-by-step practice, and hands-on application. Topics addressed in these labs include spreadsheet, database, and presentation software, introductory programming, network basics, project management, and Web design. Based on the participants' level of IT proficiency, hands-on labs will incorporate an overview of programming that include, but not limited to, the following: Windows, JAVA, and ORACLE.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309398** | MET PGS-PCMR | U | MET INFO & COMM TECH (ICT) IN DISASTER RELIEF | 1 | VAR | |

**ECL:** **EIMET:** Yes

This 5-day seminar offered by the Prevention Relief & Recovery (PR&R) program of CCMR familiarizes the student with the basics of Humanitarian Assistance and Disaster Relief from the perspective of each major early responder organization type (United Nations, Non-Government Organization, Academia, Military, Government, and Industry). The course enables the student to effectively function as part of a multi-organizational response to disasters. The course also covers the phases of disaster response, the organizational mechanisms and operational aspects of early responder entities, and methods of obtaining increasing levels of disaster preparedness and resilience. The course then turns to Information and Communication Technologies (ICT) aspects of disaster response including hastily formed networks, information sharing techniques and technologies, communication system interoperability, working at the civil-military boundary, pre and post disaster ICT assessments and resilience topics. This seminar is E-IMET certified. Learning Objectives: -Develop an understanding of humanitarian operations and the skill of leading diverse, multi-agency teams in the midst of crises?? -community; working at the civil-military boundary; and the dynamics and challenges of coordination among the responders in mega-disasters. -Discuss how ICT can serve as an enabler of disaster response improving information sharing and various surveillance technologies (e.g. unmanned aerial vehicles, UAV's). -Gain hands on experience with state of the art ICT tools: crowd-sourcing applications, social networking tools, early warning technologies; hastily formed Networks.

**PRE-REQUISITE:**

**COURSE NOTES:** This course pairs well with the sequentially scheduled CCMR course, "Civil-Military Coordination in Disaster Relief, MASL P170475). A participant can attend both seminars back-to-back and save air fare costs.

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| **P309408** | MET-POO | U | MET TRAIN THE TRAINER | 2 | VAR | |

**ECL:** **EIMET:** No

This course is designed to provide the students with the theory and practice of concepts, methods, techniques, and technology of performance-oriented training. This course consists of two weeks of performance-oriented instruction on how to develop, prepare, and present instruction. Students learn how to develop plans and tests to measure learning. Enhance the skills of trainers to enable them to develop Situational Lanes Training Exercises (STX) based on peacekeeping mission mandates, essential tasks and implied tasks to achieve that mandate at the tactical level. The T-3 course leads participants through an analytical model of analyzing the mandate, identify the above tasks and to develop an STX. The T-3 course enhances capacities of nations to better engage in peacekeeping by developing peacekeeping training capabilities internal to their training institutions and, overall, increases the number of trained training cadre available to support UN peacekeeping missions; list UN Common Peacekeeping Tasks; describe a process and products for developing an STX; and allow participants to practice the described process.

**PRE-REQUISITE:** Rank: NCO through Lieutenant Colonel (civilian equivalent).

**COURSE NOTES:** The optimum course participant strength is 25 students. Participant rank or grade should be non-commissioned officers - lieutenant colonel (or civilian equivalents). The target audience is national training center staff (or unit staff, if no training center exists), and battalion/company/platoon officers/NCOs who require the same skills to develop their training programs before deployment to a specific mission.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309409** | MET-POO | U | MET UN CIV-MIL COORD OFFICERS COURSE (UN-CIMIC) | 2 | VAR | |

**ECL:** **EIMET:** No

This course will improve the ability of national armed forces to participate in United Nations (UN) peacekeeping operations in order to resolve international crises. The specific purpose of the UN-CIMIC is to prepare and train officers for service as civil-military coordination officers in integrated peacekeeping missions. The course meets current standards of performance established by the UN and includes best practices from training conducted by other nations involved in peacekeeping. The specific objectives of UN-CIMIC are to: a) Examine major civil-military coordination issues in modern UN peacekeeping operations; b) Understand UN roles and responsibilities in UN peacekeeping operations education and training; c) Review the civil and military coordination structures in different mission models; d) Understand national role and responsibilities concerning UN-CIMIC education and training for deployment; and e) Establish baseline liaison and coordination skills necessary to operate within a peacekeeping mission.

**PRE-REQUISITE:** Rank: NCO through Lieutenant Colonel (civilian equivalent).

**COURSE NOTES:** The optimum course participant strength is 25 students. Participant rank or grade should be non-commissioned officers - lieutenant colonel (or civilian equivalents).

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| **P309410** | MTT-APS | U | MTT AFRICAN PARTNERSHIP STATION (APS) HOST NATION | 0 | VAR | |

**ECL:** **EIMET:** No

Regional Country Participants will be programmed under P279410.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309420** | MTT PGS | U | MTT LEADER DEV EDUCATION SUSTAINED PEACE (LDESP) | 0.6 | VAR | |

**ECL:** **EIMET:** No

The LDESP MTT seminar will provide participants with an understanding of the operational environments in that will, in turn, help participants to achieve mission objectives in deployed region of interest, in support of NATO, National, and US Strategic interests . 1.1 Objectives: The seminar will: 1.1.1 Provide orientation to the Region/Country of interest culture, history, religion, challenges to governance, state of the insurgency, the economic challenges, working in a North Atlantic Treaty Organization (NATO) environment and guidance on engaging with the people of the Region/Countries of interest. 1.1.2 Help participants understand how to develop and maintain relationships that reduce the resolve of insurgents, support the growth in capacity and capability of the National Security Forces in the Region/Countries of interest. 1.1.3 Review implications of the operational issues in the Region/Countries of interest, the significance of developing capacity to support NATO, National, and US Strategic interests, and the implications to the security of the International Community. 1.1.4 Provide orientation to NATO's role and the direction and scope of the alliance's potential evolution in the 21st century

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309421** | N/A | U | MET WOMEN & SEC POLICY WORKSHOP SENIOR-LEADERSHIP | 0.4 | VAR | |

**ECL:** **EIMET:** No

This workshop provides an overview of gender and security issues and supports strategizing for compliance with UN Security Resolution 1325 in order to strengthen national security capabilities. Crucial international documents are reviewed, and participants are guided through application of these documents to their home environments. The process will include policy brainstorming and development of strategies to integrate women into security and peacekeeping operations, improve protection of civilians, and maximize resulting gains in operational capabilities. Learning Objectives: • Understand international legal documents, including CEDAW and UNSCR 1325, that relate to women and security • Become familiar with international and local issues surrounding women and security • Identify ways to expand human resource capabilities by creating a culture of acceptance and inclusion in the security sector • Develop strategies for gender mainstreaming and increased protection and participation for women in conflict resolution Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** ECL: The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language. Recommended attandance by: Senior Military Officers O-6 and above; Equivalent Civilian Government Personnel

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309422** | N/A | U | MET WOMEN & SECURITY POLICY WORKSHOP ACTION OFF | 1 | VAR | |

**ECL:** **EIMET:** No

This five-day intensive workshop provides an overview of issues surrounding women and security, and it helps participants develop feasible action plans for gender mainstreaming and protection of civilians. It offers realistic recommendations to address gaps in women's numbers and positions within security organizations and encourages the implementation of UN Security Resolution 1325. Crucial international documents that apply to women's rights, participation, and protection will be thoroughly reviewed, and participants will be guided through application of these documents to their home environments. Participants will gain an understanding of issues, learn about social and cultural factors that affect women's participation in government and peace-building, acquire methods for addressing the issues, and design action plans. Learning Objectives: • Become familiar with international and local issues surrounding women and security • Understand international legal documents, including CEDAW and UNSCR 1325, that relate to women and security • Acquire methods for increasing women's participation in peace negotiating, peacekeeping, conflict prevention and security measures. • Learn about social and cultural factors that affect women's participation in government and peace-building • Identify ways to expand human resource capabilities for defense by creating a culture of acceptance and inclusion • Develop action plans for gender mainstreaming and increased protection and participation for women in conflict resolution Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** ECL: The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language. Recommended attendance by: Military Action Officers and Equivalent Civilian Government Personnel

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| **P309423** | N/A | U | MET WOMEN & SECURITY POLICY INTENSIVE SHORT COURSE | 2 | VAR | |

**ECL:** **EIMET:** No

This ten-day short course introduces participants to international standards, operational issues, and effective strategies relevant to women and security policy. It offers realistic recommendations to address gaps in women's numbers and positions within security organizations and encourages the implementation of UN Security Resolution 1325. Participants will gain an understanding of social and cultural factors that affect women's participation in government and peace-building, learn approaches and develop transferable skills for addressing inclusion and safety issues, and design feasible action plans. In the first week, participants will learn about causes and effects of gender differences in government and peace-building participation, review issues and policies on human rights in general and women in particular, talk about the importance of gender mainstreaming, and understand how women's involvement matters to national well-being and economic development. Participants will analyze gender roles and develop skills in communication and conflict management. Participants will be guided in applying these topics to women and security in their environments. In the second week, participants will study identity, stereotypes and prejudices, learn principles about power and influence, sharpen their negotiating skills, and discuss social values and how to work with them to change attitudes and actions toward women. During this week, participants will learn approaches to overcome gender discrimination, and they will develop leadership skills to help them influence their environments. Concluding the seminar, students establish goals and develop action plans to address areas of concern or build upon current successes in their home environments. Learning Objectives: a. Become familiar with international and local issues surrounding women and security b. Understand international legal documents, including CEDAW and UNSCR 1325, that relate to women and security c. Explore social identities and social influences d. Learn about social and cultural factors that affect women's participation in local government and peace-building e. Acquire methods for increasing women's participation in peace negotiating, peacekeeping, conflict prevention and security measures. f. Build persuasion capabilities g. Improve conflict management and negotiation skills h. Motivate inclusion of women in organizational processes i. Recognize foundations of power and influence in organizations and social groups j. Identify ways to expand human resource capabilities for defense by creating a culture of acceptance and inclusion k. Develop action plans for gender mainstreaming and increased protection and participation for women in conflict resolution Students will be evaluated through: Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:** ECL: The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language. Recommended attendance by: NGO Representatives, Military Action Officers, and Equivalent Civilian Government Personnel

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| **P309437** | MTT-PAG | U | MTT COMBAT SYSTEMS TRAINING TEAM (CSTT) | 1 | VAR | |

**ECL:** **EIMET:** No

Provide guidance to the Combat Systems Training Team concerning organizational structure and Combat Systems Training Exercise preparation, conduct, execution, and evaluation. Scope: Training will include CSTT Organization, Duties and Responsibilities, Training Assets, CSTT Drill Guide development, CSTT Training scenario package development, CSTT Training scenario package briefing, CSTT Combat Systems Causality Control Exercise (CSCCE) package, CSTT Scenario execution, and CSTT Debriefing.

**PRE-REQUISITE:** Combat Systems Maintenance Team (CSMT)

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309439** | MET-CMR-PGS | U | MET A COMPREHENSIVE APPROACH TO OPERATIONS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar entitled "A Comprehensive Approach to Operations" for nations that are interested in planning and conducting integrated operations in cooperation and coordination with relevant actors in an increasingly complex environment. The premise of the seminar is that the best practices derived from employment of a comprehensive approach to peacekeeping and humanitarian support missions should be adapted to multifaceted security challenges. Mechanisms for the application of comprehensive approach principles can support a broad range of multidimensional missions, which include maritime, energy, and cyber security. A comprehensive approach to operations is based upon commonly understood principles and collaborative processes that enhance the likelihood of favorable and enduring outcomes within a particular situation. Use of a comprehensive approach has been a key element of international stabilization and reconstruction operations in the Balkans, Africa, and Afghanistan. Principles of a comprehensive approach can be applied to multidimensional missions, defined as those composed of a range of components, including military, civilian police, political affairs, rule of law, human rights, international commerce, and public information. The Comprehensive Approach to Operations Seminar uses the manifestation of the idea of mobilizing the resources of an entire society to succeed in complex operations as the central tenet. The approach includes integration, in some manner, of military and civilian activities, including intergovernmental and nongovernmental organizations. The key objectives of the seminar are to familiarize participants with: 1. The potential effects of application of a comprehensive approach to peacekeeping, stabilization, humanitarian support, and other missions. 2. Considerations for applying a comprehensive approach to operations in an increasingly complex environment, to include multidimensional missions related to maritime, energy, and cyber security. The desired outcome of the seminar is that participants are able to: 1. Identify principles and mechanisms for use of a comprehensive approach in operations in complex operational environments. 2. Better understand the benefits, issues, considerations, risks, and costs of co-existence between military and civil components. The delivery format combines informational presentations and case studies with scenario-based practical exercises in aspects of employment of a comprehensive approach to operations. Structured interactions between military officers and civilian counterparts in a group setting are the key elements of the seminar design. Participants The seminar is designed for international mid to senior military officers in the ranks of major to brigadier general and civilian equivalents from the Ministries of Defense, Foreign Affairs, Justice or members of other organizations who are responsible for security and policy, multinational cooperation, strategic planning, and multidimensional operations. Faculty Teams CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. Faculty teams for this very diverse program consist of proven subject-matter experts.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation The seminar will be taught in English. Where necessary, the seminar will be delivered with simultaneous interpretation into the local language.

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| **P309440** | MTT PEC | U | MTT MILITARY INTELLIGENCE BASIC OFFICER (MIBOC) | 0 | VAR | |

**ECL:** **EIMET:** No

To support the building of a Military Intelligence (MI) Corps to better prepare future officers for continued service, missions in ISAF and future international missions/contingency operations. Prepare junior officers to serve as MI professionals on a staff or in an operational HQ. Provide a foundation in basic intelligence principles for future generations of MI officers of the PAF to prepare them for their first assignments. Provide soldiers with a solid foundation of how to conduct Intelligence Preparation of the Battlefield (IPB) and Environment and to fuse intelligence from all services in the development/dissemination of intelligence to subordinate units or senior decision makers. Provide soldiers with understanding of the IPB process in an urban operation, counter-terrorism, insurgency/counter- insurgency, stability operations, and the law of armed conflict.

**PRE-REQUISITE:**

**COURSE NOTES:** In addition, the USEUCOM Regional Joint Intelligence Training Center (RJITF) will train Polish military instructors of the Polish National Defense University (NDU) to provide the Military Intelligence Basic Officer Course (MIBOC) to future generations. RJITF will provide two iterations of MIBOC.

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| **P309441** | MTT PEC | U | MTT MILITARY INTELLIGENCE PROFESSIONALS (MIPC) | 0 | VAR | |

**ECL:** **EIMET:** No

To support the building of a Military Intelligence (MI) Corps to better prepare future officers for continued service, current and future international operations. Prepare mid-level officers to serve as MI professionals on a staff or in an operational HQ. Provide MI officers with a foundation of how to fuse and manage intelligence from all services in the development/dissemination of intelligence to subordinate units or senior decision makers in order to counter conventional and/or unconventional adversaries. Introduce and develop advanced analytical skills and logical thought processes, focusing on their employment in the management and direction of intelligence analysts. Introduce and develop skills required to operate effectively in multinational peace enforcement operations.

**PRE-REQUISITE:**

**COURSE NOTES:** Develop, train and certify officers for the future and to certify instructors to teach future iterations of the MIBOC to the future MI corps.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309444** | MTT-PSE | U | MTT MTU DIESEL ENGINE TRAINING | 27.6 | VAR | |

**ECL:** 70 **EIMET:** No

This training would consist of technical training from two MTU technicians on repairing and overhauling the MTU Engines that reside on the IqN 35M Patrol Boats.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309446** | MET-CMR | U | MET UNITED NATIONS MILITARY OBSERVERS COURSE UNMO | 3 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a United Nations Military Observers (UNMO) course. The goal of this training is to improve the ability of national armed forces to participate in the United Nations (UN) peacekeeping operations to resolve international crises. The specific purpose of the UNMO is to prepare and train officers (Captain - Lieutenant Colonel) for service as UN military observers in any current or forthcoming UN peacekeeping mission. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. Course Details: The UNMO training can be conducted in a host country through a Mobile Education Team (MET) as a national (MASL P309446) or a regional course (MASL P279046). If regional, participants are invited from other participating countries in the area or worldwide to attend the UNMO. The duration of the training is 19 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: The specific objectives of the UNMO course are to: a. Prepare trainers to prepare officers for service as UNMOs; b. Prepare officers for service as UNMOs; c. Examine major issues in UN peacekeeping operations in the context of UNMO functions; d. Understand the legal aspects of UN peacekeeping; e. Understand UN structure and component roles; f. Understand the role and responsibilities of local government, civilian agencies and other actors in the operational environment; g. Gain knowledge of UN integrated peacekeeping operations; and h. Discuss key UNMO skills such as liaison, negotiation, cultural understanding and others. Course Instructors: The resource staff for the UNMO consists of 3-4 SMEs and one senior SME with experience as a UN Military Observer in the field. Participants: The optimum course participant strength is 25 students. Participant rank or grade should be equivalent to Captain - Lieutenant Colonel. Previous peacekeeping experience is desirable but not required. Preference should be given to nominees who might potentially be assigned as military observers in peacekeeping operations.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309447** | MTT-PAG | U | MTT KDX-III NAVSSI | 1 | VAR | |

**ECL:** 70 **EIMET:** No

To provide a thorough knowledge and understanding of NAVSSI Course Description: The NAVSSI Course will provide operation and maintenance training. Operator Training will include a basic introduction, including how to use the training guide; points of contact; background and program history; NAVSSI purpose basic configuration, and system interfaces, as well as a hardware overview of RTS, DCS and NRS's, and system start -up and shutdown. Passwords/password levels and software, such as COMDAC software, use of Common Desktop Environment, and overview of troubleshooting windows will also be presented. A workbook is given to students, which includes 12 lessons to be completed by the student. Maintenance Training will include a basic introduction, including how to use the training guide; points of contact; background and program history; NAVSSI purpose and basic configuration; and system interfaces. A hardware overview will include RTS, DCS and NRS's subsystems and components; equipment drawings and lists of controls and indicator; circuit board graphics and settings; and signal flow diagrams and interconnection diagrams. System start -up and shutdown, safety measures, routine maintenance, corrective maintenance, troubleshooting and fault isolation using system fault indicators; system alarm troubleshooting; system alert troubleshooting tables and flow charts; maintenance shutdown procedures, emphasizing the importance of a proper orderly shutdown) and system administrator functions are presented. Students will also identify components of each rack with equipment running, observing controls and indicators and use the systems pull-down windows for troubleshooting and maintaining the system.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309448** | MTT-PAG | U | MTT KDX-III CDLMS | 1 | VAR | |

**ECL:** 70 **EIMET:** No

Provide personnel with basic knowledge of Link-16 and skills to perform CDLMS system operations, troubleshooting, and maintenance procedures. Course Description: UNIT 1.0 Link-16: This unit will enhance the trainee's overall knowledge of the Purpose, Characteristics, and Features of Link-16. Additionally, this unit will describe the Link-16 Hardware, Interfaces and Support Equipment. UNIT 2.0 Equipment Familiarization, Troubleshooting, and Maintenance: This unit will provide trainees with a familiarization of the CDLMS/ C2P hardware and software components. This unit will provide introduction to the system, operations, and troubleshooting, preventative maintenance, corrective and emergency procedures. Lesson 2.1 Introduction to CDLMS: Upon successful completion of this lesson, the trainee will be able to describe the AN/UYQ-86 CDLMS system, technical documentation, describe hardware and software in reference to C2P Rehost, CDLMS, and CSDTS. Lesson 2.2 Introduction to CDLMS Equipment: Upon successful completion of this lesson, the trainee will be able to identify external interfaces, internal interfaces, hardware location, and describe power subsystems. Lesson 2.3 Initialization of CDLMS: Upon successful completion of this lesson the trainee will be able to describe initialization procedures, system modes and screens in accordance with referenced publications. Lesson 2.4 CDLMS Troubleshooting: Upon successful completion of this lesson the trainee will be able to describe the procedures for performing fault isolation and troubleshooting of CDLMS components such as Embedded System Processor Group (ESPG), Human/Machine Interface (HMI) troubleshooting methodology, HMI power subsystem fault isolation, and Keyboard, Trackball and Display fault isolation, external interface fault isolation, and CDLMS LAN fault isolation in accordance with reference publications. Lesson 2.5 CDLMS Maintenance: Upon successful completion of this lesson, the trainee will be able to describe procedures for maintenance to include Versa Modular Eurocard (VME) maintenance, internal card maintenance, Digital Audio Tape (DAT) drive and hard drive maintenance, and detailed wiring data in accordance with reference publications. Lesson 2.6 CDLMS System Administration: Upon successful completion of this lesson the trainee will be able to describe the procedures for performing the following system administration functions: User Account Creation, CDLMS/C2P Software Installation Procedures, JNL Software Installation Procedures, and Network Setup Procedures in accordance with reference publications.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309452** | MET-CMR | U | MET INTERNATIONAL INTELLIGENCE FUSION CENTERS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations' (CCMR) Expanded International Military Education and Training (EIMET) approved seminar entitled "International Intelligence Fusion Centers" is conducted by a Mobile Education Team (MET). The course aims to assist countries all over the world, which are facing serious problems of organized and street crime, as well as terrorism, to improve the effectiveness of intelligence and other security forces, in order to better cope with, and respond to, such threats. It focuses on the relevance of Fusion Centers (drawing upon the United States Department of Homeland Security example) to the strengthening of security institutions' capabilities to better deal with what are termed "all hazard" threats, which means not only terrorism and crimes, but also natural disasters and calamities. Many countries where the CCMR delivers programs confront crime and terrorist threats, as well as natural disasters, and some expressed their interest in the conceptualization of a Fusion Center, as implemented and practiced in the U.S.. In this context, the course addresses key issues involved in institutionalizing and operating a Fusion Center (as part of a greater national endeavor aimed at boosting the effectiveness of intelligence and security institutions), to include: transnational and global security threats in the twenty first century; the wide - spread problems in the security sector in various countries; challenges in responding to threats in different countries; the United States experience and insights on how the U.S. experience might prove relevant to other countries facing similar security challenges; and, attention to the technical requirements for an effective Fusion Center. Course Objectives: The key objectives of this course are to: 1. Familiarize participants with the "Fusion Center" concept (including the roles and missions of Fusion Centers and their numerous customer sets); 2. Provide participants with an understanding of the main challenges associated with the development, and implementation of a Fusion Center, including those arising from a complex, multi-agency operation involving local, state, federal, and private sector organizations, as well as from coping with the dilemma of security versus privacy and civil liberties issues/policies; 3. Provide participants with an understanding of the potential contribution of the Fusion Centers to the strengthening of the security institutions' effectiveness, including the management of the intelligence cycle as a tool for integrating analysis, production, information sharing, and to enhance cooperation and collaboration among multiple agencies, roles of leadership, policy and strategy; and, 4. Assist participants in developing an action plan for institutionalizing International Intelligence Fusion Centers in their own countries. Participants: The workshop is designed for international civilian officials, military officers in the ranks of captain to general, as well as civil and private sector representatives (from the academia, political parties, non-governmental organizations, private companies) involved in national security. Translation: The course is taught in English. Regional versions of the course could be programmed under MASL P273001

**PRE-REQUISITE:**

**COURSE NOTES:** Where necessary, the course is delivered with simultaneous interpretation into the local language. ECL should be set for at least 70 (80 preferred; unless translated simultaneously). Cost: Prior to the MET, CCMR will prepare a budget of all costs to be incurred over the course of the program. OSCs will be asked to provide estimates of costs that they will incur in-country to host a program for inclusion in the total budget. Costs incurred by CCMR include transportation, faculty and staff salaries, and lodging and per diem for MET team members. In-country costs that will be included in the MET include translation and reproduction of course materials, site rental (including daily lunches), and interpreters' salaries. While costs vary widely depending on air fares, number of faculty, and other factors, a MET budget will normally total between USD 40,000 and 60,000. Should a pre-course survey be determined necessary to coordinate with embassy and host nation representatives, it costs normally total between USD 8,000 and 15,000 and can be programmed under MASL P309073.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309454** | MTT-POO | U | MTT NAVAL INTER COMMAND STAFF (NICSC) HOST CTRY | 1 | VAR | |

**ECL:** **EIMET:** No

The purpose of the NICSC is to develop the ability of Baltic Naval Officers to plan and conduct joint, multinational, and interagency missions across the full spectrum of operations. Two to three U.S. instructors from Reserve Detachment 513 in Chicago, Illinois will teach the abovementioned five curricula topics received from the North Atlantic Treaty Organization (NATO) or the Navy Education and Training Command (NETC). The National Defense Academy's aim for the US portion of the visit is to expose its student body to US Navy tasks, various warfare mission sets, and maritime interdiction operational planning. EUCOM LOA TASKORD Objectives and Tasks clearly support this effort. Maritime LOA 1: Maritime Forces Professional Military Development. US support for NICSC will directly increase maritime professional development through International Education Military Training courses and indirectly through military-to-military engagements that focus on military education, leadership, retention, and training. Maritime LOA 2: Maritime Domain Awareness. US support for NICSC will help develop maritime relationships and information-sharing tools with our Allied partners that will aid in identifying, tracking, and interdicting traffic within the Baltic Sea. Maritime LOA 3: Maritime Operations Capacity and Capability. US support for NICSC will assist in offering the necessary training, U.S. doctrine, and effective tactics, techniques, and procedures (TTPs) required to develop and improve maritime interoperability, capability, and performance of our NATO partners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309455** | MTT-PNA ID# HM00204 | U | MTT DOT HAZMAT CERTIFICATION COURSE | 2 | VAR | |

**ECL:** 80 **EIMET:** No

This class is offered as in-country training via a partnership with the Transportation Safety Institute (TSI), whose parent organization is the Research and Innovative Technology Administration (RITA) within the U.S. Department of Transportation (DOT). The class is a multi-modal 80 hour course and conducted in country for up to 24 students. Upon successful completion of the course students will be authorized to sign HAZMAT shipping documents for all modes of transportation into the US. Purpose: The DoD Preparation of Hazardous Material for Transportation increase the hazmat employee's safety awareness and be an essential element in reducing hazmat incidents. The Hazardous Materials regulations (HMR) include training requirements Title 49 Code CFR 172.704 Training Requirements as follows: MODAL Air §175.20 Vessel §176.13 Highway §§ 177.800, 177.816 Description: Provides formal training prerequisite for command approved qualification to certify hazardous material for shipment via all modes of transportation. The course includes a comprehensive overview of the transportation of hazardous materials by motor, rail and water and an intensive review of the requirements for movement of hazardous material by commercial/military air. Included are the roles and missions of the Department of Transportation (DOT), Defense Transportation System (DTS), and commercial carriers, national, state and local regulations storage (incident to transportation) handling, packaging, marking, labeling and placarding of hazardous material and various hazardous material warning systems. The class is taught by the DOT and is 80 hours of course work focusing on US and international regulations for highways, rail, maritime and air transportation. The certification is valid for 24 months and can be renewed using the online class once attendance is recorded in the DOT residence class.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P309456** | N/A | U | MTT AN/SLQ-32(V)2 OPERATIONAL MAINTENANCE TRAINING | 6 | VAR | |

**ECL:** 70 **EIMET:** No

AN/SLQ-32(V)2 Operational & Maintenance Training - Provides students with the training and simulated operational experience required to operate the AN/SLQ-32(V)2 SCOPE: Consist of a combination of classroom and OJT instruction and exercises providing system characteristics and performance, the procedures to energize, initialize, intercept, perform computer subroutines, and to de-energize the AN/SLQ-32(V)2. The course will also cover Planned Maintenance, Corrective Maintenance, Alignments, Troubleshooting/Fault Identification as well as Classroom Theory and Fundamentals of the AN/SLQ-32(V) system. The course will be a mix of classroom and hands on the actual system. The course will stress system hands-on corrective & preventive maintenance, and troubleshooting of the AN/SLQ-32(V)2. Emphasis will be placed on using the technical manuals, properly accomplishing all PMS MRCs, and multiple fault troubleshooting. This course will provide Poland personnel classroom (theory) and OJT instruction in the following areas: Passive System Overall Description, Introduction Introduction, Countermeasures Receiving Set Equipment Controls and Indicators System Operability Test (SOT) System Diagnostic Tests (SDTs) Primary Power and AC Power Distribution, Interlocks, and Battle-short Operator Display and Control Console (DCC) Cartridge Tape Transport (CTT) Digital Processing Unit (DPU) I/O Bus Repeater (I/O) Band 2 Emitter Processing, Introduction Band 3 Emitter Processing, Introduction Port & Starboard Antenna Enclosure Equipment Semi-Omni Power Amplifier (SOPA) Switch-able Pre-Amplifier (SWPA) Instantaneous Frequency Converter/Multiplexer (IFM/MUX) Course Frequency Receiver (CFR) Band 2 Direction Finding Receivers (DFRs) Band 2 Emitter Processing, Detailed Band 3 Emitter Processing, Detailed Angle Encoder Serial Input/Output Controller (SIOC) Digital Presorter PMS Maintenance Requirement Cards (MRCs), AN/SLQ-32(V)2 Overall System Troubleshooting, Multiple Faults Passive System Overall Description, Detailed

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309462** | MET-PCMR-PGS | U | MET MANAGING ETHNIC CONFLICT & RELIGIOUS VIOLENCE | 0 | VAR | |

**ECL:** **EIMET:** Yes

This MASL mirros Resident Course MASL P170030 except as MET. This 2-week seminar offered by the Prevention Relief & Recovery (PR&R) program of CCMR introduces contemporary thinking on what causes and animates ethnic and religious tensions and violence. Participants learn and practice conflict analysis to facilitate evaluation of the various approaches governments use to manage these difficult situations. The engagement includes case studies as well as the personal testimonies of insiders from recent ethnic and religious violence. Participants will explore effective strategies of prevention and response and defense-sector reforms to enhance capacity, as well as develop their own take-away products. The workshop is oriented at the conceptual and societal level of analysis - it will not focus on tactical security techniques for confronting violence. The seminar is highly relevant for participants who either live in divided societies or may operate in areas facing ethnic or religious divisions. Since participants will be a mix of US and international civilian and military officials the seminar provides an excellent opportunity for cross-community engagement and the development of partnering skills. This seminar is E-IMET certified. Objectives: 1. Develop a strong understanding of the origins and dynamics of ethnic and religious violence. 2. Review and apply analytical tools for conflict analysis. 3. Investigate the various approaches used to prevent and respond to ethnic and religious violence and develop alternative approaches or strategies. 4. Explore the typical errors countries make and compile a more effective strategy of prevention and response. 5. Discuss and develop defense and security sector institutional reform proposals that can better equip national forces to prevent or respond to ethnic and religious violence. 6. Develop participant's own case studies and learning modules to facilitate sharing and proliferation of key concepts once participants return to regular duty. 7. Build professional networks between and among conflict prevention and conflict management practitioners from the US and other countries.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309463** | MTT-CCMR-PGS | U | MTT APPROACHES FOR REINTEGRATION OF EX-COMBATANTS | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Prevention Relief & Recovery (PR&R) program at the Center for Civil-Military Relations offers this one-week seminar entitled "Approaches for the Reintegration of Ex-combatants." The reintegration of ex-combatants at the end of armed conflict is one of the most difficult yet important criteria for a successful transition from war to peace. In addition, the emerging issue of violent extremists leaving terrorist organizations and returning to their country of origin can be significantly destabilizing. Re-integration, if done successfully, will involve these individuals in the nation's recovery and development. If done unsuccessfully, rather than contributing, these same actors are likely to undermine recovery-and may even plunge the nation back into conflict. As with most post-conflict challenges, context is everything. The cause and settlement of the conflict, the state of economic development, the geography and the demographics must all be taken into account when developing a strategy for managing ex-combatants. What works well in one country may fail miserably in another. In addition, the more recent debates about the return of radical religious extremists from conflict zones is a growing problem across the globe. This course provides an overview of the various reintegration approaches, from integrating them into the national security apparatus to providing job training and vocational opportunities. Drawing on case studies from around the world, it also includes exploration of crosscutting topics that can improve or impede successful reintegration, such as security sector reform, gender considerations and transitional justice. The course provides practitioners with the tools needed to design and implement reintegration approaches appropriate to the specific country and context. This course is E-IMET certified. Learning Objectives: " Explore diverse models, approaches and techniques that can be used to convince combatants to lay down their arms and reintegrate into a post-conflict society or after return from a conflict zone. " Understand the broad range of reintegration challenges that Governments and individuals face (e.g., economic, psycho-social, institutional, etc.). " Develop strategies to confront crosscutting challenges common to reintegration efforts. " Explore emerging challenges for reintegration such as de-radicalization of violent extremists and managing other ideological challenges. " Enhance professional networks of reintegration practitioners locally and globally. Methodology: The workshop will consist of a series of panel presentations, plenary discussions and small group exercises.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309464** | MTT-CCMR-PR&R | U | MTT ISSUES IN DEFENSE GOVERNANCE | 1 | VAR | |
| **ECL:** | | | | **EIMET:** | Yes | |

This is the Host Country MASL that goes with Regional MASL P279464. This MTT is designed to strengthen Ministries of Defense (MoDs) by convening mixed groups of officials from MoDs and Joint or General Staffs to discuss issues and share approaches to defense management structures/processes and human resource development of the MoD staff. Specific issues to be addressed will be developed each year; topics will also depend, in part, on which countries choose to attend and their current challenges at the time. Illustrative topics include: processes for sharing the work between MoD and Joint/General Staff; developing internal MoD processes; adjusting organizational structure to support desired function; managing mixed civilian-military staffs within a ministry; developing the defense competencies of a civilian staff; mid-level leadership/management skills in a ministry; etc. Participants should come prepared to share their own experiences and their country's approach to managing the defense sector (e.g., design and roles of the MoD, processes for sharing work between the MoD and military headquarters, and methods of legislative oversight). Objectives: Compare and contrast defense governance practices used by various national governments. Identify challenges associated with the various types of defense governance structures and processes, and areas for improvement. Explore collaboration, leadership and management processes of the MoD. Expand and enhance defense governance practitioner networks. Methodology: The workshop will consist of a series of presentations, plenary discussions and small group exercises. A reception and group meals will support professional networking and in-depth dialogue. Participants: The workshop is designed for a wide mix of countries and governance practitioners to be represented. Up to 25 mid- to senior-level civilian officials, military officers and governance practitioners may attend. In the selection process preference will be given to actual and former officials from Ministries of Defense, military headquarters, and legislative oversight bodies. High demand for this course is anticipated. Enrollment decisions will be based primarily on appropriateness of the specific applicant.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309465** | MET-CCMR-PGS | U | MET WOMEN'S INTEGRATION IN THE ARMED FORCES | 0 | VAR | |
| **ECL:** 70 | | | | **EIMET:** | Yes | |

The Center for Civil-Military Relations (CCMR) Expanded International Military Education and Training (EIMET) approved seminar titled "Women's Integration in the Armed Forces" is conducted by a Mobile Education Team (MET). It aims to assist countries all over the world to develop and implement gender policies, in particular policies aimed at improving or enhancing the representation of and the prospects for women in the military-including women in defense, women in uniform, women in combat. The seminar will provide theoretical background on gender equality in general, as well as practical, strategic, and political insights into women's integration and equality in the armed forces, in particular. Relevant related topics include family, health, education and training, and the legal framework. Examples, lessons learned, and best practices of and for women integration in the armed forces from various developed and developing democracies will also be provided. Many countries where the Center for Civil-Military Relations delivers programs face difficult challenges in their path toward the democratization of civil-military relations (i.e. developing security forces (military, police, intelligence) that are both under democratic civilian control and effective in fighting the current security threats). Of these challenges, developing and implementing gender policies, in particular with regard to women's integration in the armed forces, remain problematic. In some countries, for example, women are disinclined to join the armed forces, despite existing policies that allow and encourage them to join the military. In others, real gender equality in the armed forces remains unaccepted in society or is not taken up by the government. This 3- to 4-day seminar will assist countries cope with these challenges effectively. Course Objectives: The key objectives of this course are to: 1. Provide participants with an understanding of the main challenges and prospects for success associated with the democratization of civil-military relations; 2. Provide participants with a generic understanding of the challenges and opportunities for success (in terms of both democratic civilian control and military effectiveness) associated with the employment of women in the armed forces; 3. Familiarize participants with best practices of women integration and utilization in the military, undertaken by developed and developing democracies around the world; 4. Assist participants in developing an action plan for integrating and using women in the armed forces in their own countries. Participants: The seminar is designed for international military officers in the ranks of lieutenant to general, civilians from the defense and security sector, as well as civil and private sector representatives (from the academia, political parties, and non-governmental organizations) dealing with the gender and security issues.

**PRE-REQUISITE:**

**COURSE NOTES:** The course is taught in English. Where necessary, the course is delivered with simultaneous interpretation into the local language.

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|---|---|---|---|---|---|---|
| **P309466** | MET - PDI | U | MTT DIILS OCONUS HUMAN RIGHTS | 0.4 | VAR | |
| **ECL:** | | | | **EIMET:** | Yes | |

The DIILS Human Rights and International Humanitarian Law Course satisfies the Congressional mandate for U.S. assistance under Sec. 2282 to include "elements that promote observance of and respect for human rights and fundamental freedoms and respect for legitimate civilian authority." This course offers information that operational units need to comply with international norms. The first half of the course focuses on Human Rights, including: observing and respecting human rights, respect for civilian authority, applicable regional human rights agreements, right against torture and other cruel, inhuman or degrading treatment, human rights & armed conflict law against gender violence, and use of force in law enforcement. The second half of the course focuses on International Humanitarian Law (Law of Armed Conflict) and includes topics such as: international armed conflict & the law, internal armed conflict & the law, rules of engagement, and targeting. The DIILS team members are selected based on their experience in the mission-essential task list of the unit to be trained, and case studies and discussion problems are tailored for relevance to the country or region.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309467** | MTT-PDA-FI | U | MTT - US NAVY OPERATIONAL TEST AND EVALUATION (FI) | 0.8 | VAR | |

**ECL:** **EIMET:** No

This course provides an overview of current OT&E philosophies, processes, concepts and issues. Method of instruction will be classroom lecture supported by Power Point presentations. Topics for this course include: -Introduction and T&E Structure -OT in the acquisition process -Team roles and responsibilities -OT test planning -MOE and MOS -Intro to MBTD -DOE overview -MS overview -Fleet resourcing target asset planning and test execution (an example of real project (case study) would be beneficial) -Report writing -Most common formats and their use (MSG report, SAR, Yellow Sheet, RTR, Daily Flight test report) Syllabus will include topics above and will not exceed more than 30 hours / 4 days of classroom instruction.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P309468** | MET-PDA | U | MET USDOJ OVS PROSEC DEV, ASST & TRNG (OPDAT) | 0.6 | VAR |

**ECL:** **EIMET:** No

U.S. Department of Justice Office of Overseas Prosecutorial Development, Assistance and Training (OPDAT) tailored MET to support enhanced training for a country's MOD legal system and prosecution techniques.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P309470** | MET PCMR | U | MET CYBERSECURITY STRATEGY DEVELOPMENT | 1 | VAR |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar entitled "Cybersecurity Strategy Development" for nations that are interested in articulating priorities and exploring options to secure cyberspace. Cyberspace is probed and penetrated daily by hackers, criminals, terrorists, foreign powers and virtual-states (collection of actors working in concert online to influence world affairs). In response, this offering prepares decision-makers to effectively identify, design and implement elements of a National Cybersecurity Strategy. The key objectives of the seminar are to familiarize participants with: " Roles, Responsibilities and Authorities of Ministries and Agencies " Information sharing Constructs, Arrangements and Products " National Legal System compatibility with International Norms Malicious actors in cyberspace seek our state secrets, trade secrets, technology, and ideas or to strike our critical infrastructure and harm our economy. In an effort to secure cyberspace from attack, participants will examine policies and practices for enhancing the security and resilience of national networks and systems. They will conceptualize the dimensions and mandates of a National Cybersecurity Strategy based on the identification of Political Aims, Strategic Goals, Organizational Considerations, and Governance Mechanisms. The seminar will offer a menu of congruent topics for selection by the nation to include: --Policy aspects for a unique and ubiquitous domain, such as national strategy frameworks, interagency integration, cyber deterrence and legal aspects of cybercrime. --Practices to enhance partner capabilities, such interagency practice, information sharing, capabilities frameworks, and cyber workforce development. The delivery format combines informational presentations on academic and practical frameworks with an assessment of design considerations and implementation factors for a National Cybersecurity Strategy. The participants will learn how to identify and implement aspects of a comprehensive approach for cybersecurity that engages all stakeholders of a national cyber resilience system. This event is delivered in partnership with the Departments of Homeland Security, State and Justice, the Air Force Research Institute, and with representatives from select Centers or Institutes for Cybersecurity. Participants The seminar is designed for senior international officials from ministries of defense, foreign affairs, and communications. Public and private sector representatives responsible for cybersecurity are welcome to attend. Faculty Teams: consist of academic scholars, proven subject-matter experts and experienced practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation: course will be taught in English or be delivered with simultaneous interpretation.

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|---|---|---|---|---|---|
| **P309471** | MTT-PAN-LG | U | MTT JTAC SIMULATOR (LG) | 1.2 | VAR |

**ECL:** **EIMET:** No

This Simulator MTT is for Latvia. The 169th ASOS will bring a 3-4 person US Training Team to Latvia to conduct a one week event in support of the development of scenarios for the AAJTS JTAC Simulator. This MTT will have contractor support to instruct on operations of the system and its basic maintenance. This event will focus on actual scenario development that will allow the Latvians and their Baltic partners to build a series of pre-designed training events that meet specific JTAC training and currency requirements. This is a stand-alone MTT that will use US experts to aid the Latvians in fully utilizing the capabilities of the AAJTS JTAC simulator and develop their Joint Fires capabilities with NATO and Coalition assets.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309472** | MTT-CMR | U | MTT DISASTER MANAGEMENT | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Prevention, Relief & Recovery program of the Center for Civil-Military Relations, US Naval Postgraduate School offers a five-day course entitled "Disaster Management" at various conference venues. This MTT focuses on the management challenges associated with the delivery of humanitarian assistance/disaster response (HA/DR). Conceptually, the course emphasizes an understanding of how civilian and military authorities work together in the management of natural disasters and the delivery of humanitarian assistance. Specific areas of focus include Incident Command Systems, Strategic Communications/Media Relations and the use of Military Assets for Civilian Authorities. Learning Objectives: -Enhance understanding of HA/DR response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter-governmental organizations). -Provide a methodological framework for conceptualizing the strategic and operational issues in managing natural disasters and delivering humanitarian assistance. -Allow participants to explore the roles and responsibilities, capabilities and competencies of organizations involved in disaster management. -Expose participants to typical problems and potential solutions associated with disaster management and joint, inter-agency, cross-community coordination.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309473** | MTT PN4 | U | MTT HULL MAINTENANCE | 2 | VAR | |

**ECL:** **EIMET:** No

NAVSCIATTS In-resident course of eight week, condense to a two week and tailored to country specific needs and taught in-country; deploy two NAVSCIATTS instructor and requested augmentation from host nation of previous NAVSCIATTS graduate in-support of this event, to comply with NAVSCIATTS model "Train the Trainer" and build partner nation capacity. In-resident curriculum as follows: instruction in hand tools, oxyacetylene cutting, welding and brazing techniques, electric arc and aluminum MIG welding, fiberglass and inflatable boat repair.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309474** | MTT PN4 | U | MTT DIESEL MAINTENANCE | 2 | VAR | |

**ECL:** **EIMET:** No

NAVSCIATTS In-resident course of eight week, condense to a two week and tailored to country specific needs and taught in-country; deploy two NAVSCIATTS instructor and requested augmentation from host nation of previous NAVSCIATTS graduate in-support of this event, to comply with NAVSCIATTS model "Train the Trainer" and build partner nation capacity. In-resident curriculum as follows: instruction in the Detroit Diesel engine specifications and characteristics, operating principles, lubrication, cooling, air and fuel systems, complete overhaul including disassembly, troubleshooting, inspection, cleaning, repair, tune-up and reassembly, twin disc transmission maintenance; in addition students will learn tools and their uses, precision measuring instruments and shop safety also this training/course apply to any diesel engine (e.g. vehicles, generator, etc.)

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309475** | MTT-CMR | U | MTT CIVIL-MILITARY COORDINATION IN DISASTER RELIEF | 1 | VAR | |

**ECL:** **EIMET:** Yes

This 5-day seminar offered by the Prevention, Relief & Recovery (PR&R) program of CCMR develops a comprehensive understanding of how the international system works with host nations to conduct disaster relief. Participants will learn best practices for coordinating relief within their own countries and methods used for participating in international response to other countries. The seminar emphasizes cross-community understanding and communication skills that focus on ways in which the armed forces, government civilian agencies, non-governmental organizations, and inter-governmental organizations can work more effectively alongside each other in disaster relief. This seminar is E-IMET certified. Learning Objectives: * Enhance understanding of the disaster relief response communities, and build cross-community professional networks (e.g., NGOs, armed forces, government civilian agencies, and the inter-governmental organizations). * Expand communication, negotiation and collective problem solving skills to help facilitate cooperation and coordination between the various communities involved in disaster relief activities. * Develop the capacity to build trust, identify shared objectives, and promote collaboration. * Explore emerging concepts and initiatives from the various communities.

**PRE-REQUISITE:**

**COURSE NOTES:** This seminar pairs well with the sequentially scheduled CCMR course, "Information & Communications Technologies (ICT) in Disaster Relief," (MASL P170398). A participant can attend both seminars back-to-back and save air fare costs.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309476** | MTT-CMR | U | MTT HUMANITARIAN LOGISTICS | 1 | VAR | |

**ECL:** **EIMET:** Yes

This course focuses on the logistical challenges associated with the delivery of humanitarian assistance/disaster response (HA/DR). Conceptually, the course emphasizes an understanding of the issues in Supply Chain Networks, especially the response supply chains. The topics covered include Military and Humanitarian Logistics and where the two overlap: HA/DR. The course objective is to build the knowledge and analytical tools for operational issues such as inventory, transportation and distribution, as well as other issues in logistics including the competency and capability of key players in the supply chain. Learning Objectives: -To provide a methodological framework such as mathematical modeling for conceptualizing and capturing the operational and strategic issues in Logistics. -To improve participant understanding of Humanitarian Logistics through response supply chain by comparing and contrasting it with traditional supply chain systems. -To allow participants to explore the capabilities and competencies of organizations involved in supply chains. -To expose participants to possible solutions to problems associated with logistical coordination in HADR.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309477** | MTT-CMR | U | MTT PREPG & RSPG TO NATL DIS IN MEGACITIES | 1 | VAR | |

**ECL:** **EIMET:** Yes

According to the Population Reference Bureau, there are 24 megacities-cities with a population greater than 10 million people-around the globe. If (perhaps it's safer to say when) a major natural disaster hits one of these densely populated metropolitan areas, the destruction will be tremendous. However, with careful preparation, coordination and cooperation, the effects can be mitigated and, potentially, millions of lives can be saved. To this end, this course will convene members of international armed forces, government civilian agencies, non-governmental organizations and inter-governmental organizations involved in disaster preparedness and response to discuss how to prepare for and respond to a major natural disaster affecting a megacity. Emphasis will be placed on best practices and lessons learned from recent natural disasters, as well as regional and organizational initiatives aimed at improving preparedness and response capabilities. Learning Objectives: -Understand the range best practices, lessons learned and activities employed to prepare for and respond to natural disasters in megacities. -Develop a deeper understanding of the critical challenges that arise during disaster response operations in megacities. -Discuss ways to improve partnership and coordination among nations and organizations during disaster response. -Learn about regional and organizational initiatives aimed at improving preparedness and response capabilities. -Enhance professional networks among disaster response practitioners.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309478** | MTT PN4 | U | MTT OUTBOARD MAINTENANCE | 2 | VAR | |

**ECL:** **EIMET:** No

NAVSCIATTS In-resident course of eight week, condense to a two week and tailored to country specific needs and taught in-country; deploy two NAVSCIATTS instructor and requested augmentation from host nation of previous NAVSCIATTS graduate in-support of this event, to comply with NAVSCIATTS model "Train the Trainer" and build partner nation capacity. In-resident curriculum as follows: consists of engineering fundamentals, shop safety, precision measuring and special tools, lubricants and cleaning agents, internal combustion theory, electrical and fuel systems, preventive maintenance and troubleshooting, gear case and power head overhaul. Practical application techniques train the student to reference the manufacturer's technical manual utilizing fuel injected outboard motors as training aids.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309479** | MTT PN4 | U | MTT COMMUNICATION (HARRIS RADIO / 5800) | 2 | VAR | |

**ECL:** **EIMET:** No

NAVSCIATTS In-resident course of five week, condense to a two week and tailored to country specific needs and taught in-country; deploy two NAVSCIATTS instructor and requested augmentation from host nation of previous NAVSCIATTS graduate in-support of this event, to comply with NAVSCIATTS model "Train the Trainer" and build partner nation capacity. In-resident curriculum as follows: consists of communication theory, programming and operation of HF, VHF and UHF communication equipment and ancillary information required of communicators. Course modules will include frequency prediction, antenna selection and construction, data communications, troubleshooting, field hints, GPS equipment and communications operations planning. Practical application will test skills, medium and long range communication drills in diverse terrain and locations.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309480** | MTT-PCP | U | MTT PDSS SITE SURVEY DIVING SUPERVISOR /FAST ROPE | 0.6 | VAR | |

**ECL:** **EIMET:** No

2 Man MTT from EODMU5 will conduct a 3 day site visit to assess cost of planned dual MTT for Diving Supervisor and Fast Rope.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P309481** | MTT-PCP | U | MTT MINE WARFARE BAMS | 2.4 | VAR |

**ECL:** **EIMET:** No

2 Man 16 Day MTT from Surface MCM ISEA Panama City, FL will conduct MTT to include dockside BAMS Operator and Maintenance Training and at-sea BAMS Operator Training. Afterwards the Team will provide a debrief and after action report.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P309482** | MET - PGS | U | MET ADVANCED PEACEKEEPING CONCEPT PROGRAM (APCP) | 1 | VAR |

**ECL:** **EIMET:** No

This advanced pre-deployment program entails a series of 5-day workshops, focused on covering diverse topics of information assurance, energy efficiency, and logistics support of UNPKO deployment. Information Assurance Tools for UNPKO - This 5-day workshop supports deploying contingents to better understand information operations and cyber realms and develop methodologies to effectively operate within them while on UNPKO. Energy Efficient Outpost Operations - This 5-day workshop highlights the need for operational energy efficiency in expeditionary deployments. Logistics Support of UNPKO deployment - This workshop focuses in-depth on the final phases of the UN Force Generation process, namely preparation of the Pre-deployment visit, use of Force Generation tools, preparation of the load lists, dangerous cargo list, including movement plan (of personnel and equipment) into theater. Learning Objectives: a. Become familiar with threats, vulnerabilities, risks, and safeguards as they pertain to the desired information security while on UNPKO b. Learn about current and emerging technologies and practices, which improve energy and reduce frequency requirements of resupply while on UNPKO c. Equip participants with applicable strategies and methods for dealing with equipment procurement plans, UN reimbursement process, shipment modes, insurance coverage, and contingencies to ensure the overall effective and efficient functionality of a deployable contingent Students will be evaluated through: Syndicate work participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|
| **P309483** | MET PGS | U | MET DEPLOYABLE CONTINGENT MANAGEMENT COURSE (DCMC) | 1 | VAR |

**ECL:** **EIMET:** No

This 5-day workshop equips participants with the essential tools needed to plan, analyze, make decisions, and problem solve on UNPKO pre-deployment and deployment stages as it pertains to strategic planning, resource management, personnel, logistics, and the overall effective functionality of a designated deployable contingent. The workshop is designed to enable participants to evaluate the pros and cons of embedded vs. independent contingents, various types of deployment (Medical, Airwing, Engineering Unit, etc…), reimbursement options, UN standards and requirements and to correctly assess alternatives to assure that the Troop Contributing Country effectively allocates funds, resources, and personnel to ensure sustainability for current deployment as well as for consecutive rotations on a UNPKO mission. Learning Objectives: a. Become familiar with effective planning, analyses, decision making, and problem solving while on UNPKO b. Understand various UN deployment and reimbursement options, UN standards and requirements to correctly assess alternatives to assure effective allocation of the national funds, resources, and personnel c. Equip participants with applicable tools for effective strategic planning, resource management, personnel, logistics in order to ensure the overall effective functionality of a deployable contingent d. Gain knowledge on ways to evaluate and have potential solutions on efficient and effective allocation and use of scarce defense resources in a complex and uncertain operating environment Students will be evaluated through: Syndicate work participation

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309484** | MET PGS | U | MET LEGAL ASPECTS OF UNPKO DEPLOYMENT (LAUNPKO) | 1 | VAR | |

**ECL:** **EIMET:** No

This 5-day workshop is targeted at senior civilian and military officials of relevant Ministries and other governmental agencies. Key legal and political framework topics will be covered to enable the creation of a draft Legislation Proposal for a prospective Troop Contributing Country (TCC). This workshop will assist in creating constitutional legal authority for a prospective TCC to deploy a designated peacekeeping contingent on UN Peacekeeping Operations missions. Learning Objectives: a. Enhance conceptual understanding of legal and political framework in the context of UNPKOb. Determine national participation criteria in UNPKO (including lead and subsidiary agencies, legislative authorizations, governing laws on deployment, etc.)c. Outline effective and efficient ways to address objector issues and "lawfare" to prevent national deploymentsd. Develop strategies for effective creation of a draft consensus document (legislative proposal) Students will be evaluated through: Hands-on exercise

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous translation into the local language.

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|---|---|---|---|---|---|---|
| **P309485** | MET-CMR | U | MET UN PKO CONTINGENT COMMANDERS COURSE | 2 | VAR | |

**ECL:** **EIMET:** Yes

This is the Host Country MASL for Regional MASL P279085 Introduction: The Center for Civil-Military Relations (CCMR) conducts a peacekeeping training course entitled "Peacekeeping Operations Contingent Commanders" (PKOCC) course. The PKOCC course prepares potential commanders in the roles and responsibilities of contingent commanders, battalion commanders and sector commanders in complex peacekeeping operations, both for UN and other multinational operations. CCMR conducts this course through the United States (US) Global Peace Operations Initiative (GPOI) program. The course provides training to officers from the ranks of Lieutenant Colonel through Brigadier General. Course Details: The PKOCC can also be conducted in residence at the Naval Postgraduate School (MASL P179085) or in a host country through a Mobile Education Team as a regional (MASL P279085) course. In regional and in-residence courses, participants are drawn regionally or globally. The duration is 12 calendar days inclusive of weekend/cultural/social programs. Participants could use GPOI funding, IMET/EIMET or be self-funded. Training Objectives: Gain an understanding of the operational environment of today's conflicts and the commanders' role in an integrated mission; ensure understanding of the importance of consensus, coordination and communication at the operational level among the military, humanitarian, and political actors; develop awareness and understanding of the various components of peacekeeping operations; enhance understanding of the underpinning legal framework of UN peacekeeping operations and the attendant Integrated Mission Planning Process; create a common understanding of the UN system and various agencies in the field including aspects of operational coordination; ensure understanding of the responsibilities and roles of the commander to effectively lead personnel employed in peacekeeping operations; enhance understanding of the importance of addressing various cross-cutting issues to include human rights, gender and the implementation of SCR 1325, Code of Conduct and Discipline, Sexual Exploitation and Abuses (SEA), through sound leadership and administration; understand the elements of conflict management; and develop skills and the ability to apply basic principles of negotiations and mediation. Course Methodology: The training methodology includes presentations from Subject Matter Experts (SMEs) in conjunction with group discussions, plenary discussions, and classroom exercises. The focus of group discussions and exercises is problem solving based on a fictitious peacekeeping operation scenario or standalone problems related to various aspects of peacekeeping operations. Course Instructors: The resource staff for the PKOCC course will consist of three to four SMEs and one senior SME (with experience as a commander in

**PRE-REQUISITE:**

**COURSE NOTES:** The course is limited to 30 participants. These participants will be selected from countries world-wide. Previous peacekeeping experience is desirable but not required.

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|---|---|---|---|---|---|---|
| **P309487** | MTT - PCT | U | MTT P-3 CONVENTIONAL WEAPONS LOADING COURSE | 1.6 | VAR | |

**ECL:** **EIMET:** No

Upon completion of this course, the Aviation Ordnancemen will have sufficient knowledge in the fundamentals of weapons characteristics, armament weapons support equipment, release and control system checks and configuration information to perform under supervision the procedures for loading and unloading of conventional weapons for the P-3 aircraft. SCOPE The course content will include the following Units of Instruction: 1. Introduction to the course, Publications, Ordnance Certification Program. 2. Loading Configuration, Release and Control, Common Procedures 3. Conventional Weapons 4. Conventional Weapons Lab

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309491** | MTT PNC | U | MTT NITC SITE SURVEY | 1 | VAR | |

**ECL:** **EIMET:** No

The NITC SITE SURVEY enables one to two instructors to visit a host nation prior to sending a Mobile Training Team at a later date. The Survey Team will look at host nation facilities, infrastructure, and living arrangements, and determine host nation training requirements.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309493** | MTT CCMR | U | MTT ARMED FORCES AND HUMAN SECURITY | 1 | VAR | |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a custom-designed, Expanded International Military Education and Training (E-IMET) certified program entitled "Armed Forces and Human Security" exportable on demand to all IMET recipient countries. The intended audience is mid-to senior level civilian officials (typically from Ministries of Defense, Interior, Justice, or Foreign Affairs) and military officers (O-5/O-6). The main theme of this program is to distinguish between traditional security (the state level) and human security (the individual level), and to discuss how governments use armed forces to do both. The intended audience for this course goes far beyond the military, reaching into every institution and requiring the participation of civilian officials from across the spectrum of government. We also encourage NGO and civil society involvement. Human security is everyone's business; some governments choose to avoid using armed forces directly, but other institutions often need the capacity that resides in the defense establishment. The key question to be debated here will be "How should the military support human security goals without sacrificing its crucial national defense role?" The key objectives of the course are to provide instruction, discussion, case studies, and perhaps a tabletop exercise to: 1) Understand the difference between traditional security and human security, particularly the need for interagency approaches to the latter. 2) Determine how the requesting government can use military forces - and all security forces - to complement civilian efforts to reduce insecurity in the areas of health, food, education, environmental, and other aspects of human security, as well as in the more obvious roles of fighting crime and maintaining civil order. 3) Conduct "all hazards" risk assessment of threats to human security in the requesting government. 4) Examine institutional roles with the aim of creating a balanced set of government institutions with the capacity to fulfill their unique roles in human security. 5) Discuss the crucial role of civil-military relations and human rights performance within developing democracies, and how the mechanisms of civilian control help governments attain the larger goals of human security. This course can be taught to either single country or regional audiences of between 30 and 60 participants. CCMR tailors each of its programs to the specific conditions, constraints, and requirements of the selected audience. This program is 5 days long and is focused on the strategic level. Included in the seminar, which relies heavily on discussion, are four workshops to be conducted by small groups. The main key to success will be wide diversity within the audience. Faculty Teams CCMR provides two or three world-class subject matter experts from academic, military, or private sector backgrounds. Host government representatives are asked to deliver presentations as needed.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation ECL is 80 when taught in English. Simultaneous interpretation may be available.

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|---|---|---|---|---|---|---|
| **P309494** | MTT-POO | U | MET USDOJ INTL CRIM INV TRNG ASST PROGRAM (ICITAP) | 0.6 | VAR | |

**ECL:** **EIMET:** No

U.S. Department of Justice International Criminal Investigative Training Assistance Program (ICITAP) Tailored MET to support enhanced training for a country's MOD legal system

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309496** | MTT-CN-PCT | U | MTT BQQ BSSU SUB TRNG PHS I MODRNZN TRNG (CN) | 1 | VAR | |

**ECL:** **EIMET:** No

Classroom training for operation of the BSSU sonar system for sonar-men and officers. The course will cover complete system operation in a classroom setting as a precursor for follow-on hands-on operational training.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309497** | MTT-CN-PCT | U | MTT BQQ BSSU SUB TRNG PHS II MODRNZN TRNG (CN) | 1 | VAR | |

**ECL:** **EIMET:** No

Hands-on training (OJT) covering all features of BSSU sonar system operation.

**PRE-REQUISITE:** P309496 (Phase 1)

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309498** | MTT-CN-PCT | U | MTT BQQ BSSU SUB TRNG PHS III MODRNZN TRNG (CN) | 1 | VAR | |

**ECL:** **EIMET:** No

Consists of over the shoulder at sea training for both sonar-men and officers.

**PRE-REQUISITE:** P309496 & P309479 (Phase I & II)

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309502** | N/A | U | MTT TRNG ASSESSMENT/SURVEY | 1 | VAR | |

**ECL:** **EIMET:** No

MTT TRAINING ASSESSMENT/SURVEY-OTHER

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309510** | N/A | U | LITTORAL CONCEPT OF OPS AND WARGAME DEVELOPMENT | 1 | PPTE | Monterey, CA 93943 |

**ECL:** 80 **EIMET:** No

The Littoral Concept of Operations and Wargame Development Course places participants from countries challenged by their extreme littorals (e.g. archipelagic / maritime cul-de-sac) in a collaborative setting to identify the challenges and explore alternative conceptual approaches to maritime security and the defense of their near shore areas. The 5 day MET course will introduce the process of scenario and wargame development and execution and results analysis. During this time participants act and make decisions, which directly affect the scenarios which may lead to operational changes or acquisition decisions. Learning Objectives: a. Understand the littoral operations problem space b. Explore and assess alternative operational concepts and new technologies using wargaming c. Improve organic wargaming capability Students will be evaluated through: Seminar discussions Written papers Exercise participation

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309511** | MTT-PSE | U | MTT DS30M 30MM BASIC OPERATOR MAIN TRAINING (IQ) | 3.8 | VAR | |

**ECL:** **EIMET:** No

Provide basic operation and maintenance training on the DS30M gun weapon system. Training will include classroom lectures on equipment configuration, theory of operation, trouble recognition, and preventative and corrective maintenance techniques. Training will also consist of on equipment training demonstrating an understanding of information learned in the classroom.

**PRE-REQUISITE:** This course requires a basic understanding of the English language. This course requires a basic understanding of common hand tools and general electronic test equipment use.

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309513** | MTT PRR PR297 | U | MTT PERSONNEL RECOVERY 297 | 0.4 | VAR | |

**ECL:** **EIMET:** No

PR 297 provides training for personnel performing PR reintegration/debriefing duties. The course includes training in the debriefing and reintegration process; as well as in debriefing preparation, which includes administrative and legal processing; and debriefing structure. The scope of training includes two practical evaluations which will require students to develop a debriefing guide and to set-up and conduct a debrief while being critiqued by both instructors and fellow students. Students will be required to provide feedback to the debriefer.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309520** | CIVCONTR | U | MTT SCANEAGLE PILOT/OPERATOR OJT | 1.6 | VAR | |

**ECL:** 80 **EIMET:** No

ScanEagle Operator/Pilot On-the-Job Training is designed to be completed in the field environment or customer operational location. The focus of the curriculum/course is to provide mission and site specific training following initial qualification training. Course includes site familiarization, Crew Resource Management (CRM), flight and payload operations, mission planning, and system troubleshooting are key areas of emphasis during OJT.

**PRE-REQUISITE:**

**COURSE NOTES:** Instruction is specific to operator/ pilot certification and specific type of OJT instruction desired should be indicated in the training request.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309523** | MTT PAG | U | MTT AUX SELF-ASSESSMENT AND GROOM TRAINING (SAGT) | 1 | VAR | |

**ECL:** **EIMET:** No

The Auxiliary SAGT course provides the knowledge and skills required to assess, operate and maintain the auxiliary equipment associated with the AWS system. Auxiliary systems are responsible for maintaining cooling and/or dry air to equipment within several AWS systems including SPY, FCS, WCS, C&D, and ADS. Auxiliary systems are tactically significant to all elements of the AWS system.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309525** | MTT PAG | U | MTT DOCKSIDE TACTICAL OPER ENVIRONMENT (TACTOE) | 3.8 | VAR | |

**ECL:** **EIMET:** No

The Dockside TACTOE course provides the foundation of network topology and communication processes to support the technicians' future tasking to maintain the AWS LAN configuration and integrity. This course provides the theory and performance information of the Cisco Operating System and Red Hat Linux Operating System architecture. This course utilizes simulations for performance tasking of node and switch configurations and troubleshooting.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P309543** | CIVCONTR | U | MTT SCANEAGLE MAINTAINER OJT | 1.6 | VAR | |

**ECL:** 80 **EIMET:** No

ScanEagle Maintainer On-the-Job Training is designed to be completed in the field environment or customer operational location. The focus of the curriculum/course is to provide mission and site specific maintenance training following initial qualification training. Course includes site familiarization, Crew Resource Management (CRM), equipment and payload maintenance, and system troubleshooting are key areas of emphasis during OJT.

**PRE-REQUISITE:**

**COURSE NOTES:** Instruction is specific to mission commander certification and specific type of OJT instruction desired should be indicated in the training request.

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|---|---|---|---|---|---|---|
| **P309548** | CIVCONTR | U | MTT SCANEAGLE MISSION COMMANDER OJT | 1 | VAR | |

**ECL:** 80 **EIMET:** No

ScanEagle Mission Commander On-the-Job Training is designed to be completed in the field environment or customer operational location. The focus of the curriculum/course is to provide mission and site specific training following initial qualification training. Course includes site familiarization; Crew Resource Management (CRM), flight and payload operations, and mission planning are key areas of emphasis during OJT.

**PRE-REQUISITE:**

**COURSE NOTES:** Instruction is specific to mission commander certification and specific type of OJT instruction desired should be indicated in the training request.

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|---|---|---|---|---|---|---|
| **P309580** | MTT-PCP | U | MTT DIVING SUPERVISOR | 2 | VAR | |

**ECL:** 70 **EIMET:** No

Nine Man MTT from EODMU5 will conduct a ten day MTT for Diving Supervisor.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P309885** | N/A | U | MTT NPS CORE LAB MOBILE BASIC SNA I | 1 | VAR | |

**ECL:** **EIMET:** No

SNA I Participants can receive Level 1 certification by attending and completing the 3-5 day course that introduces them to basic SNA theory and analytical techniques to include collecting relational data using the Lighthouse field collection platform. This introductory curriculum exposes attendees to basic SNA topics through theory and hands-on labs and exercises, including data visualization, centrality measures, network topography, brokers and bridges, and cohesive subgroups. Participants will leave the training with an understanding of relational data collection along with basic knowledge of SNA terms and concepts and a basic familiarity of the SNA software package, the Organizational Risk Analyzer (ORA). Participants are required to complete a final exercise in order to receive Level 1 certification.

**PRE-REQUISITE:**

**COURSE NOTES:** This educational outreach course is conducted in a mobile training team format. Location will require electricity, access to the Internet, presentation display ability (projection screen or TV screen). Class is limited to 20 students. Students need to be English speakers or an interpreter needs to be provided.

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|---|---|---|---|---|---|---|
| **P309886** | N/A | U | MTT NPS CORE LAB MOBILE INTERMEDIATE SNA II | 1 | VAR | |

**ECL:** **EIMET:** No

Attendees can receive Level 2 certification by completing a 3-week curriculum that introduces them to intermediate-level SNA theory and analytical techniques. Level 2 certification, like Level 1 certification, is largely driven by a series of hands-on labs and exercises; however, this course exposes participants to more advanced SNA theory and to intermediate SNA techniques in ORA, including introductions to longitudinal network analysis and fusing relational and geospatial data. More importantly, participants are encouraged to bring their own dataset and they are required to complete a final product by the end of the training in order to receive Level 2 certification. At the end of the training, attendees will have a firm grasp of introductory to intermediate SNA theory and techniques. Participants in this Level 2 training should be intelligence analysts or individuals that will actually conduct the SNA analysis.

**PRE-REQUISITE:**

**COURSE NOTES:** This educational outreach course is conducted in a mobile training team format. Location will require electricity, access to the Internet, presentation display ability (projection screen or TV screen). Class is limited to 20 students. Students need to be English speakers or an interpreter needs to be provided.

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|---|---|---|---|---|---|---|
| **P312000** | MTT PFI CIVCONTR | U | MTT ORBISOPS SITUATIONAL AWARENESS TRNG FOR COMBAT | 1 | VAR | |

**ECL:** **EIMET:** No

Situational Awareness training to include one or more of the specific courses in Maritime Advanced Situational Awareness Training (MASAT), Special Operations Forces Situational Awareness Training (SOFSAT), and Advanced Situational Awareness Training (ASAT). Courses are designed to enhance observation, recognize behavior patterns and formulate courses of action in a dynamic environment.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P312001** | MTT PEC | U | MTT MILITARY INTELLIGENCE FUNDAMENTALS (MIFC) | 6 | VAR | |

**ECL:** **EIMET:** No

Instructional Goal: MIFC is designed for NATO junior military officers, NCOs or intelligence employees of the Ministry of Defens with little to no military intelligence experience. Based upon the Fort Huachuca model, this course prepares officers, NCOs and MoD civilians to serve as MI professionals on a NATO staff or in an operational battalion or brigade HQ in a NATO-led operation. Instructional Objectives: At the completion of the course, students have acquired the Core Competency Requirements for Basic Training outlined in STANAG 2555 in the areas of Intelligence, Surveillance and Reconnaissance (ISR) Leadership/Management, ISR Operational Planning, Intelligence Requirements Management and Collection Management (IRM & CM), Knowledge Management, All Source Exploitation, Fusion, Analysis and Production, Intelligence Support to Targeting and Security Activities to: --Apply intelligence concepts and tools and perform the functions and responsibilities of a military intelligence officer or NCO; concepts to be demonstrated include: --Conducting Intelligence Preparation of the Environment (IPE) --Planning and management of collections using the primary intelligence disciplines --Providing intelligence support to the NATO Operational-Level Planning Process (OLPP) --Providing intelligence support to targeting --Producing intelligence reports --Conducting intelligence briefings --Understand and apply creative and critical thinking and intelligence analysis concepts and tools --Apply analytical tools in counter-terrorism, counter-insurgency and stability operations environments. --Describe Allied defense intelligence organizations, roles, missions and C4I architectures --Understand and demonstrate the skills needed to function effectively in a multi-national, interagency intelligence fusion cell including security management, intelligence cooperation and information disclosure management. --Understand and apply the legal requirements of treaties and conventions of International Human Rights Law and the Law of Armed Conflict.

**PRE-REQUISITE:**

**COURSE NOTES:** This training course was developed by the Regional Joint Intelligence Training Facility (RJITF) in support of US European Command J2 International Engagement branch (USEUCOM J2IE) Partner Nation Engagement programs. Interest in iterations of this course should be refered to them.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P314004** | N/A | U | MTT MAINTENANCE - NAVSEA | 1 | VAR | |

**ECL:** **EIMET:** No

To provide a NAVSEA Mobile Training Team to go in-country for the purpose of training foreign personnel to maintain identified equipment/systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|
| **P319016** | N/A | U | MET DRMI (MIDMC) | 2 | VAR |

**ECL:** **EIMET:** Yes

The Mobile International Defense Management Course (MIDMC) is suitable for professionals concerned with the economic, efficient and effective allocation and use of scarce defense resources in today's complex and uncertain security environment. Participants normally come from a broad spectrum of fields, to include logistics, operations, personnel, acquisition, financial management, program management, planning, engineering, and program evaluation. This course is designed for military officers rank O-4 to O-6 and equivalent civilian officials. DRMI's experienced, world-class graduate faculty integrate analytical concepts, principles, methods, and techniques drawn from the disciplines of management, economics, and quantitative methods, and applies them to decisions involving the allocation of financial, logistic and human resources. Throughout the MIDMC, participants develop skills to recognize and evaluate the risk assessments and tradeoffs that must be made among competing alternatives at both the strategic and operational levels of defense organizations. DRMI faculty teach the course using a stimulating mix of lectures, small group discussions and real world case studies. This approach provides a dynamic learning environment designed to develop the decision making skills necessary in today's challenging environment. Faculty use contemporary issues such as the global war on terror, regional and international instability, infrastructure protection and multinational defense cooperation to illustrate the environment in which current defense resource allocation decisions must be made. This course is one to two weeks long with the curriculum tailored to the needs of each country. By the end of the course, participants will be able to clearly define and evaluate the relationships among national security objectives, defense strategies, program alternatives/capabilities, and their budgetary resource requirements. Sufficient lead time is essential for the proper planning and preparation of these mobile courses. Logistics considerations that must be addressed prior to programming include expected numbers and characteristics of participants, language requirements, translation needs, on-site facilities, equipment, lodging and transportation. (Participants from countries, other than the host, should use MASL# P262000.)

**PRE-REQUISITE:**

**COURSE NOTES:** Please see Section II of the U.S. Navy International Training & Education Catalog for further information regarding quota procedures.

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|---|---|---|---|---|---|
| **P319027** | MET-CMR | U | MET CT ASSESSMENT | 1 | VAR |

**ECL:** **EIMET:** No

The Center for Civil-Military Relations (CCMR) offers a one-week comprehensive assessment of a government's sustained capacity to prevent terrorism, and to deal with terrorist activity it cannot prevent. The CCMR assessment framework is divided into four functional areas: strategy, institutional preparation, intelligence, and emergency management. Assessments - which are characterized as 'surveys' to the host government - can be requested for any combination of these functional areas, or for all of them. CCMR assessments are normally carried out by two experienced faculty members through interviewing key host nation officials from institutions charged with responsibilities in the government's campaign against terrorism. The US Embassy country team will arrange a series of 'roundtable' discussions for this purpose. Prior coordination with CCMR will determine the scope and specific institutions to be contacted. The degree to which host nation officials open their institutions to frank and honest discussion of capacity gaps will determine how effectively the U.S. Government can use this assessment to guide security assistance programs in combating terrorism over the long term. Host nation officials, as full participants in the assessment process, will receive a report documenting the findings and recommending additional security assistance measures to help fill capacity gaps identified. Governments that open their institutions to a CCMR assessment should be rewarded for doing so through priority assistance by the United States in future years. The key objectives of the assessment are: " Determine whether the government has a comprehensive and well-coordinated national-level strategy against terrorism. " Examine the requirements for institutional-level capacity to support the political strategy through operational strategies and plans. " Find out how the host government prepares 'CT Professionals' for both staff and field duties. " Understand what infrastructure is needed to support operations against terrorism. " Examine intelligence structures and processes in terms of their adequacy to support successful policy and operational decisions. " Discuss the method by which the host government decides which potential terrorist targets require the most security resources, and recommend some ways of improving the process. " Determine whether existing emergency management infrastructure and capabilities can be utilized effectively to manage the consequences of terrorist attacks. The overall goal for this program is two-fold, yielding two equally important outcomes. The first outcome is a list of capacity gaps that can be filled by a combination of host-nation effort and U.S. assistance. The second outcome is to educate host-nation officials regarding what all governments must do to generate sustained institutional capacity to fight terrorism together with other governments. The CT Assessment process will be custom-built around a series of discussions with key officials. The CCMR assessment framework will be distributed to each participant and will serve as a guide for all discussions. The framework is flexible and can be changed if needed as more is learned. After the discussions are complete, the CCMR assessment team will quantify the results and consult with U.S. Embassy country team officials. Two reports will be generated: one for the U.S. Ambassador and one for the host nation. Normally, this CT Assessment will last less than five days, but custom design may shorten or lengthen the duration.

**PRE-REQUISITE:**

**COURSE NOTES:** Cost: CT Assessments should be programmed for $75K unless special circumstances require a longer faculty stay. Proposals for this MASL must be forwarded in the same format as other CT Fellowship Program (CTFP)-financed events. Other sources of funding can be used for this assessment, as long as the request is coordinated with CTFP officials at DSCA.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319031** | MET-CMR | U | MET GLOBAL COMMONS SECURITY | 1 | VAR | |

**ECL:** **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) offers a one-week seminar entitled "Global Commons Security" for nations that are interested in developing capabilities to safeguard the shared spaces labeled in defense lexicon as international waters and airspace, outer space, and cyberspace. The global commons are areas that no one state controls but on which all rely. Together the commons serve as essential conduits for the global system comprised of commerce, communication, and governance. International peace and economic prosperity are threatened daily through intrusion, exploitation or attack in the commons by criminal, transnational or regional competitors. This offering prepares decision-makers to effectively design and implement plans for securing access to, transit through and use of commons. The key objectives of the seminar are to familiarize participants with: " Trends, contexts, and implications of persistent conflict in the commons " Commercial sector, civil agency, and military department cooperation dynamics " Strategy, policy, rule, concept, and capability development constructs The global commons are complex, congested, and contested. Participants will explore principles and methods for maintaining advantage over competitors that seek to deny, disrupt or destroy access to the global commons. They will examine ways to respond to principal threats, some hybrid in nature, utilizing a comprehensive approach to security. The seminar is intended to develop the practical knowledge and skills needed to pursue defense objectives related to the commons within the broader context of national security policies. The seminar introduces the capabilities-based defense planning methodology that embraces United States and NATO processes for Concept Development and Experimentation. The participants will learn how to identify and field affordable, feasible, and interoperable capabilities that contribute to national defence requirements and collective security commitments. The delivery format combines informational presentations and case studies with scenario-based practical exercises in aspects of global commons security. This event is delivered in partnership with Headquarters, Supreme Allied Command Transformation (HQ SACT), United States Joint Forces Command, Joint Experimentation Directorate (JFCOM J9), and United States Pacific Command (USPACOM). Participants The seminar is designed for international mid to senior military officers in the ranks of major to brigadier general and civilian equivalents from the Ministry of Defense, who are responsible for security and defense policy, strategic planning, programming and execution. Faculty Teams CCMR task-organizes each team in order to optimize the specific expertise requested by the ODC/SAO. Faculty teams for this very diverse program consist of proven subject-matter experts, who are drawn from around the world.

**PRE-REQUISITE:**

**COURSE NOTES:** Translation The course will be taught in English. Where necessary, the course will be delivered with simultaneous interpretation into the local language. Cost For planning and programming purposes, the estimated cost of the course will be IMET/FMF/FMS/CTFP-USD 75,000. Actual course cost will vary according to location and the educational requirements of the recipient country.

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| **P319036** | MET-IDARM | U | MET ETHICS &INTEGRITY IN DEF. ACQ. DECISION MAKING | 1.6 | VAR | |

**ECL:** **EIMET:** Yes

This eight day IDARM Mobile Education Team training examines ethics and integrity in defense acquisition decision making and the fundamental characteristics of a fair and transparent public procurement system. Emphasis is placed on creating and sustaining an organizational culture that is grounded in individual ethical behavior. The importance of sound and enforceable legislation and policy is examined throughout the course. Ethics and integrity are critical to defense acquisition, procurement and logistic systems as they enable public trust and confidence in organizations and they demonstrate a commitment to reasoned decision making through policy and its enforcement.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P319037** | MET-CMR-CT | U | MET ETHICS AND COMBATING TERRORISM | 1 | VAR | |

**ECL:** **EIMET:** Yes

Description: The Center for Civil-Military Relations (CCMR) offers a one-week seminar in the value of fighting ethically against terrorists. Though combating terrorism must be conducted within the rule of law, a government's actions should meet ethical standards as well. Without adhering to ethical principles, governments are in danger of losing the legitimacy that sustains them in the fight against those who recognize no legal or ethical limits. In the short run, ethical constraints may at first appear be a hindrance, but in the long run fighting ethically is a significant advantage. Bundled in this course is a major second theme focusing on public affairs and strategic communications. Without thoughtful synchronized messages, targeted at adversaries, citizens, and international partners, ethical conduct cannot influence the outcome. Governments need to learn how to remind all audiences that fighting ethically works, setting the example for counter-terrorism professionals and creating a tipping point for the counter-terrorism campaign. The effects of technology on ethical behavior will also be explored. Although much of the content in this seminar pertains to military forces, there is ample opportunity to address other institutions charged with the responsibility for applying coercive force. The key objectives of the course are: "Review the role of ethics in armed conflict, including the intersection of ethics and law. "Using vignettes, explain why fighting ethically works against terrorists. "Examine the trade off between tactical discrimination and personal risk. "Investigate the application of public affairs and strategic communications to fighting terrorism. "Explore the mutually supporting activities of ethics and media strategies. "Study business ethics to extract applicable lessons for government. "Examine the role of technology in combating terrorism and how it influences human behavior. "Conduct a classroom exercise on fighting terrorism ethically. The overall goal of this seminar is to leave the student with a solid understanding of ethics and combating terrorism. In CCMR's experience, most counter-terrorism professionals have not thought enough about fighting ethically. We see this as another tool governments and their institutions can use to hasten the victory against terrorists and strengthen civil-military relations.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319038** | MTT-K-SEC001 CIVCONTR | U | MTT SECURITY LEVEL 1: ARMED SENTRY | 2 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

MTT SECURITY LEVEL 1: ARMED SENTRY Course Description: This course will provide the necessary knowledge and skills needed to perform the duties and responsibilities of a Security Force Sentry controlling access to security assets. Course contents will be tailored to meet partner country's requests and capabilities. Students will learn to implement immediate actions required to identify, assess, track and deter potential threats utilizing and demonstrating the proper tactics, techniques and procedures using escalating force measures. Course Topics - Safety/Operational Risk Management (ORM) - Subject Communication Skills - Use of Force/Deadly Force - Introduction to Terrorism - Improvised Explosive Devices - Watch Standing - Security Fundamentals - Unarmed Individual Self Defense Skills - Expandable Baton - Mechanical Advantage Control Hold (MACH) Holds and Takedown Techniques - MACH Cuffing and Team Control Techniques - Compliant Subject Handcuffing & Search w/Steel Cuffs - Personnel Inspection Exercises and Labs - Unarmed Self-Defense (Pattern of Movement [POM] / Strikes/Blocking) - Baton Employment (Blocking/Striking/Retention) - Expandable Baton - Warm-Up Drills (Body Position/Sprawling Drills) - MACH Levels (MACH levels 1-5) & MACH Combinations - MACH Takedowns without Cuffing Positions - MACH Takedowns w/Cuffing Positions w/Flexi & Steel Handcuffs - MACH Team Control Techniques w/Flexi-Cuffs - MACH Team Control Review & MACH Baton Techniques - Personnel/Vehicle Inspection - Comprehensive Force Protection Exercises TARGET AUDIENCE: Students should be assigned to security billets. Students should have small arms weapon handling experience.

**PRE-REQUISITE:** Countries should provide: - Classroom with desks and chairs of sufficient size to house the number of students attending. - Training area of sufficient size to practice self-defense skills and tactics. - Drinking water for students during physical training portions of training.

**COURSE NOTES:** Training for these skill sets will contain risk either because of physical stress, or Defensive Tactics. Materials are in English and instructors are English speaking. (All instructors are trained to conduct training with interpreters, if necessary.) Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales.

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| **P319039** | MTT-K-PD001 CIVCONTR | U | MTT PROFESSIONAL DEV: BASIC INSTRUCTOR TRAINING | 2 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

This course provides training in the application of principles of learning; instructional methods, strategies, and techniques; and the effective communication, oral questioning, and presentation techniques appropriate to basic instructional classroom and/or other learning environments. Students plan, develop and present lessons using the lecture and demonstration or performance methods of instruction. Course Topics - Training Systems - The Instructor - Motivation - Principles of Learning - Effective Communications - Instructional Methods - Learning Objectives and Testing - Course Materials Exercises and Labs - Practice Lectures - Practical Applications TARGET AUDIENCE: Students should have training duties.

**PRE-REQUISITE:** Countries should provide a classroom with desks and chairs of sufficient size to house the number of students attending.

**COURSE NOTES:** Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales.

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| **P319040** | MTT-K-PD005 CIVCONTR | U | MTT PROF DEV: COMMAND & CONTROL (C2) LEADERSHIP | 1 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

This course will provide mid-level leadership with the tools to successfully plan and execute missions. Student will receive basic training on the components of Command and Control Leadership to include basic procedures for development and implementation of a mission plan. Students will also receive basic training on contingency pre-planned response development and the defense-in-depth concept. Course contents will be tailored to meet Partner Nation request and mission requirements. Course Topics - Tactical Decision / Risk Management - Tactical Planning - Communications - Team Dynamics - Rules of Engagement (ROE) Concepts, Use of Force (UOF) / Deadly Force (DF) Principles - Threats - Team Management - Defense in Depth - Waterborne Security - Tactical Operations Center Exercises and Labs - Scenario Driven Exercises TARGET AUDIENCE: Students should be in a leadership position responsible for planning and executing tactical operations.

**PRE-REQUISITE:** Countries should provide a classroom of sufficient size to house the number of students attending.

**COURSE NOTES:** Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales.

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| **P319048** | MTT-PDA | U | MTT OTHER DOD | 1 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

TEAM TRAINING CONDUCTED BY THE DEFENSE LOGISTICS AGENCY (DLA)

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319051** | MTT-K-SEC002 CIVCONTR | U | MTT SECURITY LEVEL 2: REACTION FORCE | 2 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

This course is designed to provide personnel assigned as a Reaction Force Team Member the knowledge, skills, and abilities to deter, detect, defend, and mitigate potential terrorist threats in an asymmetrical environment. This course enables individuals to perform as a Reaction Force Team Member and Team Leader. Students are trained in the advanced principles of two, four and six person team movements to include close quarters defense, tactical communications, and mission planning. Course Topics - Safety / ORM - Weapon Transition - Use of Force /Deadly Force - Introduction to Terrorism - Improvised Explosive Devices - Weapon Retention - MACH Cuffing and Team Control Techniques - MACH Holds and Takedown Techniques - Tactical Team Movements - Mission Planning & Team Management Exercises and Labs - Weapon Transition - Weapon Retention - Expandable Baton - MACH Holds / Takedown / Cuffing / Team Control Techniques - MACH Cuffing and Team Control Techniques - MACH Holds and Takedown Techniques - Tactical Team Movements - Comprehensive Force Protection Exercises TARGET AUDIENCE: Students should be assigned to security billets. Students should have small arms weapon handling experience.

**PRE-REQUISITE:** Countries should provide: - Classroom with desks and chairs of sufficient size to house the number of students attending. - Area of sufficient size to support physical training and exercises. - Facility of sufficient size to support tactical movement exercises. - Drinking water for students during physical training portions of training.

**COURSE NOTES:** Training for these skill sets will contain risk either because of physical stress, or Defensive Tactics. Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales.

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| **P319052** | MTT-K-SBO001 CIVCONTR | U | MTT SMALL BOAT OPERATIONS - LEVEL 1: CS / NAV | 2 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

The course familiarizes students with procedures to be followed for the safe and effective operation of small boats (less than 15 meters in length). Course contents will be tailored to meet partner nation's requests and capabilities. Course topics include basic coxswain skills, navigation, towing, deck seamanship, marlin spike seamanship, fire fighting, damage control, and engineering casualty control. Course Topics - Boat Crew Responsibilities - Safety and Operational Risk Management - Boat Construction - Survival Equipment - Rescue and Life Raft - Boat Handling - Knots and Hitches - Basic Casualty Control - Intro to Nautical Charts - Piloting and Navigation - IALA "A" / "B" Buoy Systems - Man Overboard Exercises and Labs - Harbor and Boat Familiarization - Engineering and Deck Preservation - Mooring/Unmooring and Boat Handling - Personnel Recovery - Casualty Control Drills - Tabletop Navigation Exercise - Navigation Exercises - Restricted Visibility Navigation - Personnel Transfer - Final Exercise TARGET AUDIENCE: Students should be designated for coxswain / boat operator billets.

**PRE-REQUISITE:** Countries should provide: - For every five (5) students, at least one (1) operational small boat of the type the students will be expected to regularly operate. - Appropriate number of fender(s) for the boat(s). - One (1) life jacket for each student. - Appropriate pier facility for boats.

**COURSE NOTES:** This course includes instruction aboard small boards conducting underway operations; this necessarily involves higher risk. All students are recommended to be certified swimmers. If a student is unable to swim, the instructors must be notified prior to Day 1 of instruction so that appropriate precautions are afforded the non-swimming student(s). Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319053** | MTT-PCMR | U | MET POLIT EXTREMISM DOM/INTL CON: SOURCES&REMEDIES | 1 | VAR | |

**ECL:** 80 **EIMET:** Yes

The Center for Civil-Military Relations (CCMR) Expanded International Military Education and Training (EIMET) approved seminar titled "Political Extremism in Domestic and International Context: Sources and Remedies" is conducted by a Mobile Education Team (MET). The seminar assists participants identify reasons and factors that allow and promote political extremism to develop in democratic societies. Emerging and established democracies alike have, in the process of democratizing, eschewed extremist ideologies and methods and, sometimes at great cost of blood and treasure, have rejected leaders, parties, and governments that sought to institutionalize extremism as the antidote to liberty, equality, and pluralism. These states, including many where the Center for Civil-Military Relations (CCMR) has conducted programs on various facets of the democratic consolidation, seek to deepen and broaden their democracies at home and to promote democratic values among their allies and partners, in their respective regions, or on the global stage. At the same time, however, democracies-especially relatively young democracies born of internal conflict or regional influences-struggle with elements of extremism amid the political, social, and security transformations that they have undertaken. "Ultra-nationalist," "populist," or "radical" parties or strident single-issue movements may claim to speak for those left out of democratic success, using such democratic institutions as press freedom or political campaigns to advance their fundamentally anti-democratic programs. These extremists may be nationally specific but they often find mutual inspiration, if not support and aid, across borders and networks. The problems that they can create certainly ramify within the affected state's regional and alliance contexts, and, therefore, demand a response, albeit one that comports with democratic principles. The balance between tolerance and self-protection in a democracy is hardest to strike where such elements enter the domestic security forces, the intelligence organizations, or the military-that is, those institutions sworn in the first instance to uphold the democracy. Course Objectives: The key objectives of this course are to: 1. Provide participants with an understanding of the reasons why political extremism persist, even flourish, today; 2. Familiarize participants with the political, social, and cultural context, as well as other factors, that fuel the development of, and support for, extremist parties and movements; 3. Provide participants with insights regarding what the bases of these extremist ideas, are, and what they bode for policymakers and practitioners. 4. Explore policy and practical measures in the developed and developing democracies in the world. Target Audience: The seminar is designed for international military officers in the ranks of major to general, civilians from the defense and security sector, members of the executive and legislative branches of the government, as well as civil and private sector representatives (from the academia, political parties, and non-governmental organizations).

**PRE-REQUISITE:**

**COURSE NOTES:** Translation Services - This course is taught in English. Where necessary, the course is delivered with simultaneous interpretation into the local language. For Course information contact CCMR at 831-656-2366.

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|---|---|---|---|---|---|---|
| **P319054** | MTT-K-SBO002 CIVCONTR | U | MTT SMALL BOAT OPERATIONS - LEVEL 2: PATROL OPS | 2 | VAR | |

**ECL:** **EIMET:** No

The course familiarizes students with the concepts and execution of small boat maneuvering and the defense of High Value Assets moored in port, at anchorage or as an escort underway. Course contents will be tailored to meet requesting country's needs and capabilities. Course topics include harbor familiarization, navigation refresher training, formation driving, advanced maneuvers, shouldering, weapons employment, layered defense, defensive maneuvers, and Patrol Order Briefs. Course Topics - Boat Crew Responsibilities - Operational Risk Management - Harbor Familiarization - Methods of Force - Weapons Engagement - Boat Patrol Maneuvers and Formations - Handling Vessel of Interest - Stationary HVA Defense - Underway HVA Defense Exercises and Labs - Navigation Practical - Boat Safety/ORM - Harbor Familiarization & Bumper Drills - Parking Lot/Field Practical - Boat Maneuver and Formations Practical - Handling Vessel of Interest Practical - Stationary HVA Defense Practical - Underway HVA Defense Practical - Patrol Brief Practical TARGET AUDIENCE: Students should be designated for coxswain / boat operator billets.

**PRE-REQUISITE:** Countries should provide: - For every five (5) students at least one (1) operational small boat of the type the students will be expected to regularly operate. - Appropriate number of fender(s) for the boat(s). - One (1) life jacket for each student. - Appropriate pier facility for boats. - Training area of sufficient size to practice underway small boat operations and navigation. - Classroom of sufficient size to house the number of students attending. - Three strand manila line. - Double braid synthetic line.

**COURSE NOTES:** This course includes instruction aboard small boards conducting underway operations; this necessarily involves higher risk. All students are recommended to be certified swimmers. If a student is unable to swim, the instructors must be notified prior to Day 1 of instruction so that appropriate precautions are afforded the non-swimming student(s). Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translations Services: Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales. GOVERNMENT FURNISHED EQUIPMENT: - For every five (5) students at least one (1) operational small boat of the type the students will be expected to regularly operate. - Appropriate number of fender(s) for the boat(s). - One (1) life jacket for each student. - Appropriate pier facility for boats. - Training area of sufficient size to practice underway small boat operations and navigation. - Classroom of sufficient size to house the number of students attending. - Three strand manila line. - Double braid synthetic line.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319056** | MTT-PDI | U | MTT DIILS OCONUS OPERATIONAL LAW | 1 | VAR | |

**ECL:** **EIMET:** No

This course prepares operational commanders, staff officers, civilian policymakers, and their lawyers to conduct effective domestic and international military operations in compliance with international norms by examining relevant international human rights law and the law of armed conflict (LOAC). The course focuses on identifying operational challenges and developing effective and lawful solutions. Highlights include the benefits of an effective military justice system, implementing training programs on human rights and the law of armed conflict, and creating practical rules of engagement (ROE) and rules for the use of force (RUF). The DIILS team facilitates small group discussions of realistic scenarios in which participants develop solutions within applicable law. Such discussions may include developing notional RUF or ROE. The syllabus provides for a range of possible presentations, which can be adapted to the participants' needs and their scheduled deployments.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P319057** | MTT-PDI | U | MTT DIILS OCONUS PEACEKEEPING OPERATIONS | 1 | VAR | |

**ECL:** **EIMET:** No

This course for senior policy-makers, legal advisors, commanders and staff officers covers the legal issues arising in coalition stability operations and in United Nations (UN) and other international peace operations. The goal of this course is to enhance awareness of the means available to address all manner of legal challenges that arise during these operations. The DIILS team uses case studies, practical exercises, and group discussions to facilitate understanding of key legal issues and likely operational challenges, providing a comprehensive and stimulating learning experience. The syllabus provides for a range of possible presentations. Topics may include the functions of the UN offices working with Troop Contributing Nations and pertinent legal issues, or the immunities and privileges of peacekeepers under UN Status of Mission Agreements. While each seminar is tailored to the needs of the participants, core elements of this seminar typically include a thorough discussion of applicable rules of engagement, the relevant law of armed conflict, as well as legal challenges related to peacekeeping forces, including military cooperation with formed police units.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P319058** | MTT-PDI | U | MTT DIILS OCONUS MILITARY JUSTICE | 1 | VAR | |

**ECL:** **EIMET:** Yes

This course is designed for nations seeking to modify or enhance their system of military justice. For a military transitioning from an inquisitorial to an adversarial trial system, the seminar can focus on the comparative roles of U.S. military judges and trial advocates, as well as court-martial procedures and practices. Alternately, the seminar can comparatively focus on the U.S. military system of administrative discharges and non-judicial punishments. The syllabus provides for a range of military justice topics, but each course will be based on the areas targeted for reform. All courses include opportunities for presentations by host-nation lawyers on their current practices or planned military justice system, so the DIILS team can select the most useful examples and focus small group work on timely needs. Mock trials and administrative hearings, case studies, practical exercises, and group discussions provide opportunities for participants to experience relevant aspects of the U.S. military system in action. MLDP combines several DIILS programs to provide military legal advisors with a comprehensive curriculum of military justice and operational law. MLDP prepares participants for successful integration into coalition operations and empowers them with knowledge of best practices that can be applied in their own countries. The operational law component covers international law, human rights law, law of armed conflict, and rules of engagement. Participants practice providing legal advice to commanders in role-playing exercises. The military justice component features advanced legal concepts in criminal law, procedural due process, and a comparative analysis of military law of other nations. Participants visit the U.S. Court of Appeals for the Armed Forces in Washington, D.C. and discuss military law with practitioners. They visit with key United Nations officials at UN Headquarters in New York City, and take part in cultural familiarization activities in Newport, RI, Boston, MA, New York City, and Washington D.C.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319059** | MTT-PDI | U | MTT DIILS OCONUS PROFESSIONAL MILITARY DEV | 1 | VAR | |

**ECL:** **EIMET:** Yes

This core, E-IMET course examines the legal framework for developing or maintaining a professional military, a cornerstone of an effective, accountable and transparent defense sector. The DIILS team, topics, and group discussion themes are selected to meet host-nation needs. The course presents a range of topics, such as recruitment and retention, discipline, ethics regulations, the function of the Inspector General and gender integration. Countries considering structural changes in recruiting, retaining and maintaining a professional military may be interested in discussing U.S. military standards and procedures in these areas. Presentations and case studies can also be tailored for those interested in U.S. personnel qualifications and continuing education standards for military police investigators or military lawyers (operational advisors, judges, prosecution or defense counsel). Discussion problems are designed to promote small group analysis of standards and systems required to develop a professional military, administered and operated within the rule of law, under civilian control.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P319060** | MTT-PDI | U | MTT DIILS OCONUS MARITIME LAW | 1 | VAR | |

**ECL:** **EIMET:** Yes

This course for military officers and civilian officials engaged in maritime law enforcement or coastal and border security aims to enhance institutional capacity in the areas of international law of military operations and maritime law enforcement. It addresses the United Nations Convention on the Law of the Sea (UNCLOS) and focuses on regional issues. This course can be tailored to the experience of the participants and applicable threats. Highlights include discussions on piracy, fisheries protection, comparisons between the law of armed conflict and maritime law enforcement, maritime claims and disputes, rules of engagement and rules for the use of force. The DIILS team facilitates group discussions of real-world maritime scenarios in which participants develop notional solutions within applicable law. DIILS can also conduct a regional seminar on this topic.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P319066** | MET-PCC | U | MET MAN SEC DIMENSIONS OF REFUGEE/IDP CRISIS | 1 | VAR | |

**ECL:** **EIMET:** No

This multilateral, in resident workshop examines the role of host nation governments-and specifically their armed forced-in responding to crises from refugees and internally displaced persons. Tand delivered in the United States, regionally, or as a bilateral workshop. With well over 10 million refugees and 27 million internally displaced persons (IDPs), forced migration from insecurity or disaster has become a regular occurrence. Refugees and internally displaced persons create serious security challenges for host countries and their security sectors. The response to a refugee crisis must be an immediate and concerted effort by the international community and the countries hosting the populations. However, host countries are regularly faced with difficulties when dealing with the international community in managing refugee situations. For example, host countries are often under considerable pressure from donors to abide by international law, norms and standards when accepting refugees. At the same time, host countries have to grapple with internal challenges such as the safety and security of their own populations, a lack of resources, a lack of political will and the expectations of their citizens. These competing interests and expectations can easily result in host countries having different - sometimes controversial - positions in how they maintain security and promote their national interests. To overcome these challenges, and to help alleviate the human suffering that accompanies a refugee/IDP crisis, this workshop will focus on how to prepare for, respond to, and work together in the management of these situations. This seminar is E-IMET certified. Learning Objectives: 1. Explore various types of refugee and IDP situations, their specific security dimensions and appropriate responses; 2. Learn about international humanitarian law, international standards, and implications for host nations' security concerns in refugee/IDP management; 3. Understand the roles and responsibilities of response communities in refugee crises (e.g., international organizations, nongovernmental organizations, national government civilian agencies, and military and police forces); 4. Interact and network among practitioners from various sectors to explore opportunities for future collaborative efforts and improved response.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319067** | MTT-K-MAI003 | U | MTT PREVENTATIVE MAINTENANCE MANAGEMENT | 2 | VAR | |

**ECL:** **EIMET:** No

This course familiarizes students with maintaining equipment within specifications through preventive maintenance as well as identifying and correcting potential problems before the equipment becomes inoperable. Course content will be tailored to meet partner nation needs and capabilities. Students will learn scheduling and control of the performance tasks. Course topics include safety, risk management, maintenance fundamentals, preventive and corrective maintenance, the maintenance hierarchy, tag out systems, This course familiarizes students with maintaining equipment within specifications through preventive maintenance as well as identifying and correcting potential problems before the equipment becomes inoperable. Course content will be tailored to meet partner nation needs and capabilities. Students will learn scheduling and control of the performance tasks. Course topics include safety, risk management, maintenance fundamentals, preventive and corrective maintenance, the maintenance hierarchy, tag out systems, maintenance system development, equipment alterations, and inactive equipment maintenance. Course Topics - Course Intro, Safety & Operational Risk Management (ORM) - Maintenance Fundamentals - Preventive Maintenance - Corrective Maintenance - Maintenance Infrastructure - Tag Out Program - Planned Maintenance - Equipment Alteration Management - Inactive Equipment Maintenance - 40 Day Maintenance System

**PRE-REQUISITE:**

**COURSE NOTES:** Materials are in English and instructors are English speaking. All instructors are trained to conduct training with interpreters, if necessary. Translation services and interpreter services are available upon request. Occasionally it is possible to provide instructors that speak the local language of students; this is most likely in Spanish-speaking training locales. GOVERNMENT FURNISHED EQUIPMENT: - At least one (1) small boat equipped with engine(s) of the type the students will be expected to regularly maintain/operate. Preferably, enough small boats shall be provided to allow no more than twelve (12) students per one (1) boat. - Classroom facility with desk and chairs of sufficient size suitable for instruction and electrical power available within reasonable distance. - Appropriate tools, personal protective equipment (PPE), and replacement parts to conduct maintenance and repair on an engine (instructors are able to provide these items, if requested).

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| **P319068** | N/A | U | MTT HAAR GROUND COURSE | 0.6 | VAR | |

**ECL:** **EIMET:** No

This is a three day course taught by instructors from the US Air Force's 33rd Rescue Squadron based in Okinawa. Course is designed to be taught in Okinawa to prepare Japan (or other international) H-60 pilots to complete the in-flight training events under T-MASL P114093 for initial qualification for the HAAR mission. Instruction in approaches to the refueling platform (C-130s), check points, emergency procedures, breakaway procedures, briefing and debriefing HAAR flight evolutions.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P319070** | MTT PEW | U | MTT AMPHIB WARFARE INDOC | 1 | VAR | |

**ECL:** **EIMET:** No

To provide a comprehensive indoctrination in amphibious operations, techniques, planning, ship-to-shore movement, supporting arms, tactical air, and landing force organization and functions in order to prepare officers and selected U.S. and allied Armed Forces enlisted personnel E-5 through E-9 to carry out shipboard and staff assignments adequately and with comprehension of purpose.

**PRE-REQUISITE:**

**COURSE NOTES:** This training also taught as a Resident course P124250, AMPHIB WARFARE INDOC. THIS COURSE IS A PREREQUISITE FOR P124265, "NAVAL GUNFIRE LIAISON OFF", K-2G-0040.

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| **P319071** | MTT PEW | U | MTT EXPED WARFARE STAFF PLNG | 1 | VAR | |

**ECL:** **EIMET:** No

To train Marine Corps and Navy officers/senior petty officers in the knowledge and skills required for the operational planning and employment of MAGTFs focusing on planning tasks. Pre-requisite course: Amphibious Warfare Indoctrination (AWI) K- 2G-0037.

**PRE-REQUISITE:** Amphibious Warfare Indoctrination (AWI) K- 2G-0037.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319072** | MTT PEW | U | MTT MARITIME PREPOSITIONING FORCE STAFF PLANNING | 1 | VAR | |

**ECL:** **EIMET:** No

The purpose of this course is to train students in the doctrinal knowledge and skills required in the operational planning, deployment and employment of Marine Air Ground Task Forces (MAGTFs) as part of the Maritime Prepositional Force (MPF). This training focuses on the composition of and planning tasks performed by command and staff personnel of joint staffs, service component, MAGTFs, Navy forces and Coast Guard forces. Scope: This course is taught with emphasis on layered training to build the student s knowledge based on MPF operations. 1. On the first day, the focus of the course is an introduction to MPF operations, organizations involved, command relationships, and deployment concepts. 2. The second day, the focus shifts to the MPF planning process to include marshaling, movement and deployment plans. Deployment systems and movement groups are discussed. Arrival and assembly organizations/functions are introduced. 3. On the third day the arrival and assembly plan itself is discussed. Beach, port, and airfield operations are covered as well as transportation and throughput. Finally, security and regeneration are covered. When feasible during resident courses, a guest speaker from Naval Coastal Warfare is planned for Wednesday afternoon. When feasible during MTT s to Okinawa, an MPF ship s tour is planned for Wednesday afternoon. 4. The fourth day is devoted to class review and the MPF staff planning practical exercise. To conduct the practical exercise, the class members are assigned to command and staff positions representing the Navy and Marine Corps organizations involved in MPF operations. A mission statement, commander s intent scenario, intelligence, country information and maps are provided to the students to allow them to develop their plan in accordance with the specific guidance provided. 5. On the fifth final day each assigned group will brief their deliverables for the MPF operations that they have planned according to scernario and mission. The other groups as well as the instructors will ask questions and offer critiques to maximize the utility of the practical exercise.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P319073** | MET PGS | U | MET STRATEGIC GAMING IN COMBATTING TERRORISM | 0.6 | VAR | |

**ECL:** 85 **EIMET:** No

This 3-day course provides an introduction to Combating Terrorism (CbT) curricula by incorporating strategic gaming to facilitate effective learning. Course topics are tailored to the specific needs of the sponsor/participant country and include such targeted areas as Asymmetric Warfare, Terrorism Finance, Social Network Analysis, Terrorist use of the Internet, Counter Insurgency, and Counter Ideology. The course also addresses effective use of "serious games" in organizations to meet the training and education needs of various levels of management. The 3-day hands-on engagement is tailored for military officers and civilian equivalents. Extensive use of lectures, syndicate work, and interactive labs and demonstrations provides participants with a thorough understanding of customized CbT topics. The course may be conducted for participants from a single country or multiple partner countries, in a bi-lateral or multi-lateral environment. Learning Objectives: a. Enhance students' knowledge on core concepts related to various aspects of terrorism (e.g. terrorist financing, terrorist organizational structures, counterterrorism strategies, information warfare.) b. Facilitate strategic thinking about terrorism and combatting terrorism issues and provide an effective framework for discussing related concepts; c. Explore the use of gaming to simulate and test alternate strategic approaches to CbT issues; d. Strengthen students' ability to solve complex CbT problems through the use of computer-based strategic games; e. Enable participants to identify and evaluate strategies for effective communication, group work, and interagency coordination. Students will be evaluated through: Hands-on Labs Exercise participation Hands-on Labs In addition to regular lectures, interactive labs reinforce key CbT related concepts, enabling students to learn real-world concepts and methods in a simulated environment. These labs are designed to provide students with a competitive and enhanced learning environment through reading, observation, step-by-step practice, and hands-on application. Labs are based on the participants' level of CbT proficiency, and will incorporate an overview of customized CbT topics.

**PRE-REQUISITE:**

**COURSE NOTES:** The course will be taught in English. Where necessary the course will be delivered with simultaneous or consecutive translation into the local language.

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| **P319076** | MTT PCL | U | CONVENTIONAL WEAPONS LOADING COURSE (ML) | 1 | VAR | |

**ECL:** **EIMET:** No

A 40-hour course of instruction on the FA/-18A/B/C/D Weapons Conventional Loading: MK-80 series bombs/components, JDAM series munitions

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P319079** | MTT PDT | U | INTRO TO RADIOLOGICAL AND NUCLEAR INCIDENT (IRNIR) | .4 | VAR | |

**ECL:** 70 **EIMET:** No

IRNIR is a two day awareness level course that provides instruction on basic radiation science, fundamentals of nuclear weapons and radiological dispersal devices, radiological terrorism, medical effects of radiation exposure, radiation hazards, radiation detection equipment, personal protection equipment, decontamination, and federal incident response.

**PRE-REQUISITE:** The student must have a level 2 English level comprehension and working knowledge of the English language.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319081** | V-5G-1303G | U | MTT PNC – PROFESSIONAL DEVELOPMENT TRAINING COURSE | .6 | VAR | VAR |

**ECL:** 70 **EIMET:** No

Provides education and training for the Chaplain Corps in professional subjects which will enhance Religious Ministry and Pastoral Care to Sea Services personnel, their dependents and other authorized persons. The Chaplain Corps' Professional Development Training Course addresses a single subject – as selected by the requirement sponsor, the Chief of Chaplains (N097) – rotating annually between ethics, pastoral care, and religion & culture.

**PRE-REQUISITE:** The MTT facilitates the Professional Development Training Course in two locations that are open for International Military Students to attend: Naples, Italy and Okinawa, Japan. The dates and specific site information varies from year to year.

**COURSE NOTES:**

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| **P319598** | MTT PDS SA101.01 | U | MTT INTRODUCTION TO SPECIAL ACCESS PROGRAMS (SAP) | 0.4 | VAR |

**ECL:** **EIMET:** No

This course introduces students to Department of Defense (DoD) Special Access Programs (SAPs). The course describes the SAP environment and discusses the interaction among the executive, legislative, and judicial branches of Government in establishing SAP policy. The roles and responsibilities of oversight and support offices and agencies, and mandatory SAP requirements are reviewed. Lessons address security enhancements across security disciplines, compliance inspection and their requirements, annual reviews, and audits. Successful completion of the following CDSE courses, webinars, Job Aid(s), shorts/videos, exams: 1. Introduction to Information Security Course and Exam (CIN: IF011.16 and IF011.06; MASL: N/A) This course provides an introduction to the Department of Defense (DoD) Information Security Program. The Introduction to Information Security course provides students with a basic understanding of the legal and regulatory basis for the program and how the program is implemented throughout DoD. After completing this course, the student will be familiar with the DoD Information Security Program. 2. Introduction to Personnel Security Course and Exam (CIN: PS113.16 and PS113.06; MASL: N/A) This course introduces the management practices and procedures required to administer the Department of Defense (DoD) Personnel Security Program (PSP) at the military base/installation level. The course provides an overview of the elements of the PSP to include: designation of sensitive duties; investigative and adjudicative practices; security officer responsibilities under the PSP one-time access requirements; special security program requirements; and due process procedures. The course identifies the types of personnel security investigations (PSIs), the position sensitivity or duties associated, and the agency authorized to conduct PSIs. 3. Marking Classified Information Course and Exam (CIN: IF105.16 and IF105.06; MASL: N/A) This course provides the requirements and methods for marking classified information and other classified materials. Lessons address general marking requirements, marking originally classified information, derivatively classified information, changes in markings, marking special types, and categories of materials and information. 4. Special Access Program (SAP) Overview Course and Exam (CIN: SA001.16 and SA001.06; MASL: N/A) This course will provide students with an overview of the Department of Defense (DoD) Special Access Program (SAP) environment, including its history, purpose, lifecycle, approval process, and roles and responsibilities. 5. Developing a Security Education and Training Program Course and Exam (CIN: GS104.16 and GS104.06; MASL: N/A) This course is an interactive Web-based course. The course provides a thorough understanding of the DoD and National Industrial Security Program (NISP) policy requirements, best practices, and instructional methods for developing and implementing a security education and training program. After completing this course, the student will be familiar with the requirements for security education and training program and the knowledge to develop a program at student location. 6. Transmission and Transportation for DoD Course and Exam (CIN: IF107.16 and IF107.06; MASL: N/A) This course examines the requirements and methods for transmitting or transporting classified information and other classified material in accordance with Department of Defense (DoD) Information Security Program requirements. Lessons explain policy, documentation, preparation, dissemination requirements for specific types of information, and authorized transmission and transportation methods. 7. Introduction to Physical Security Course and Exam (CIN: PY011.16 and PY011.06; MASL: N/A) This course provides an introduction to the Department of Defense (DoD) Physical Security Program. The Introduction to Physical Security course provides students with a basic understanding of the theories and principals involved in the application of physical security in the protection of DoD assets. The course focuses on physical security, the roles people play in the physical security program, and physical security planning and implementation. In addition, it introduces the concept of security-in-depth and explores how countermeasures are developed and deployed to deter, delay, detect, or prevent attacks. 8. The following webinars are required: Download the transcript for reference. -Defining OPSEC in SAPs -Security Compliance Inspection Process…Help! 9. The following Job Aid is required: Click on Reference and download the material. -How to Complete DD Form 254 Performance Support Guide (Course) 10. The following shorts/video are required: Download the student guide or transcript as appropriate for reference. Special Access Programs (SAPs) Security Incidents -Packaging Classified Documents 11. Phase I Comprehensive Examination: Assigned 60 days prior to the course start date and will appear in the "TO DO" list in the student's STEPP account. For example, if a course is scheduled to begin on May 1, the examination will be assigned March 1. Students have three attempts to pass the Phase I comprehensive examination. -The passing score is 80 percent. -The examination has a one hour time limit and is open book. -Students who do not pass the examination on the first or second attempt must wait a minimum of 24 hours between examinations before making another attempt. The registrar will unblock the examination after the 24 hour wait period ends.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P319599** | MTT PDS SA201.01 | U | MTT SAP MID-LEVEL SECURITY MANAGEMENT (SAP MLSM) | 1 | VAR | |

**ECL:** **EIMET:** No

This course offers an in-depth explanation of Special Access Program (SAP) security management. The course focuses on student ability to determine enhanced security requirements, based on the threat and vulnerability of SAPs. Students are given scenarios to practice adjusting security countermeasures throughout the SAP lifecycle in response to the changing threat. Students review, revise, or write security-related supporting documentation such as a treaty, physical security, and transportation plans. This course introduces students to Department of Defense (DoD) Special Access Programs (SAPs). The course describes the SAP environment and discusses the interaction among the executive, legislative, and judicial branches of Government in establishing SAP policy. The roles and responsibilities of oversight and support offices and agencies, and mandatory SAP requirements are reviewed. Lessons address security enhancements across security disciplines, compliance inspection and their requirements, annual reviews, and audits. 2. "Risk Management for DoD Security Programs Course" and Exam (CIN: GS102.16 and GS102.06; MASL: N/A) This course introduces the Risk Management Framework (RMF) and Cybersecurity policies for the Department of Defense (DoD). The course will address the current state of Cybersecurity within DoD and the appropriate transition timelines. In addition, it identifies the six steps of the RMF and highlights the key factors to each step. 3. "Introduction to the Risk Management Framework Course" and Exam (CIN: CS124.16 and CS124.06; MASL: N/A) This course outlines the risk management process: a systematic approach to acquiring and analyzing the information necessary for protecting assets and allocating security resources. It will provide security professionals with an analytical risk management process addressing five steps: Asset Assessment, Threat Assessment, Vulnerability Assessment, Risk Assessment, and Countermeasure Determination.

**PRE-REQUISITE:** A minimum of two years of experience in a DoD SAP is required to attend this course. A waiver for this requirement can be granted only by student's respective SAPCO. Successful completion of the following CDSE courses: 1. "Introduction to Special Access Programs" (CIN: SA101.01; MASL: P179598)

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P365006** | N/A | U | ICASS | 0 | VAR | |

**ECL:** **EIMET:** No

Non-priced MASL to capture cost of International Cooperative Administrative Support Services (ICASS) provided to Security Assistance Teams in-country. The ICASS system is the principal means by which the U.S. Government provides and shares the cost of common administrative support at its more than 250 diplomatic and consular posts overseas.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P366361** | N/A | U | TOEFL TEST | 1 | VAR | |

**ECL:** **EIMET:** No

To send international students to a testing center in order to take a “Test of English as Foreign Language” which is required prior to acceptance at the Naval Postgraduate School.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P471001** | N/A | U | CONUS - POST ASSESSMENT SEMINAR AND SITE VISIT | 1 | VAR | |

**ECL:** **EIMET:** No

This course is a CONUS seminar combined with site visits to various USCG units. The seminar and locations are developed specifically to meet host nation requirements in various mission areas. Host nation visitors get the opportunity to meet and receive briefs from training program managers and USCG subject matter experts about USCG day to day operations. It provides the opportunity to visit the U.S. and be exposed, based on specific requirements, to selected USCG training centers, port facilities, units, Command Centers or small boat stations. Port facilities are selected based on the host nation request and to the extent that USCG operational units are able to support. The seminar will be customized for the maximum benefit of visiting delegates. Target Audience: International Students Pre-requisite: This course is a follow-on support to an in-country developmental needs assessment. Notes: Participants would typically consist of members from the Port Authority, Coast Guard, Customs, Navy, Police Force or other organizations (military, government and non-government) with maritime responsibilities.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P471012** | CURR 292 PGS DISTL (3CRS) | U | ELECTRONIC WARFARE ENGINEER CERTIFICATE OCONUS | 39 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

This certificate is the first in a series of three Electronic Warfare certificates that leads to a Master of Engineering in Electrical Engineering, MEng (EE). This certificate consists of three courses: 1. Antennas and Propagation 2. Radiowave Propagation 3. Joint Network Enabled Electronic Warfare I The program uses existing courses in the quarters they are normally offered for our resident students. The pace is somewhat flexible, but generally it is one course per quarter. The DL course sections are delivered via video teleconferencing (VTC) equipment, synchronously with our on-campus sections. Podcasts are available for asynchronous viewing, however these are not self-paced courses, and all course deadlines must be met. Laboratories are also delivered VTC or podcast. The goal is to have the same learning experience for resident and non-resident students. The courses in this certificate or the other EW certificates need not be taken in order, however, all of the individual course prerequisites must be met before enrolling in the course. The degree MEng (EE) is awarded upon completion of the three certificates (36 credits with an average GQPR of 3.0). More information on the Electrical & Computer Engineering Department's Distance Learning Programs, including a tentative schedule of DL course offerings, is available at: http://www.nps.edu/Academics/Schools/GSEAS/Departments/ECE/Academics/DistanceLearning/index.html Quotas: 20 Program Start: Continuous (typically Fall) Program Length: 3 quarters, 5 hours per week

**PRE-REQUISITE:** BSEE degree graduates with a 2.2 GPA or better, or graduates with a degree in a related field of science or engineering with appropriate academic background (knowledge of basic circuits, linear systems and Fourier transforms, probability and statistics, and undergraduate electromagnetic fields and waves).

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P471013** | CURR 293 PGS DISTL (3CRS) | U | JOURNEYMAN EW ENGINEER CERTIFICATE OCONUS | 39 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

This certificate is the second in a series of three Electronic Warfare certificates that leads to a Master of Engineering in Electrical Engineering, MEng (EE). This certificate consists of three courses: 1. Introduction to Electro-optical Engineering 2. Radar Systems 3. Microwave Engineering The program uses existing courses in the quarters they are normally offered for our resident students. The pace is somewhat flexible, but generally it is one course per quarter. The DL course sections are delivered via video teleconferencing (VTC) equipment, synchronously with our on-campus sections. Podcasts are available for asynchronous viewing, however these are not self-paced courses, and all course deadlines must be met. Laboratories are also delivered VTC or podcast. The goal is to have the same learning experience for resident and non-resident students. The courses in this certificate or the other EW certificates need not be taken in order, however, all of the individual course prerequisites must be met before enrolling in the course. The degree MEng (EE) is awarded upon completion of the three certificates (36 credits with an average GQPR of 3.0). More information on the Electrical & Computer Engineering Department's Distance Learning Programs, including a tentative schedule of DL course offerings, is available at: http://www.nps.edu/Academics/Schools/GSEAS/Departments/ECE/Academics/DistanceLearning/index.html Quotas: 20 Program Start: Continuous (typically Fall) Program Length: 3 quarters, 5 hours per week

**PRE-REQUISITE:** BSEE degree graduates with a 2.2 GPA or better, or graduates with a degree in a related field of science or engineering with appropriate academic background (knowledge of basic circuits, linear systems and Fourier transforms, probability and statistics, and undergraduate electromagnetic fields and waves).

**COURSE NOTES:**

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| **P471014** | CURR 294 PGS DISTL (3CRS) | U | SENIOR EW ENGINEER CERTIFICATE OCONUS | 39 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

This certificate is the third in a series of three Electronic Warfare certificates that leads to a Master of Engineering in Electrical Engineering, MEng (EE). This certificate consists of three courses: 1. Radar Cross Section Prediction and Reduction 2. Airborne Radar Systems 3. Joint Network Enabled Electronic Warfare II The program uses existing courses in the quarters they are normally offered for our resident students. The pace is somewhat flexible, but generally it is one course per quarter. The DL course sections are delivered via video teleconferencing (VTC) equipment, synchronously with our on-campus sections. Podcasts are available for asynchronous viewing, however these are not self-paced courses, and all course deadlines must be met. Laboratories are also delivered VTC or podcast. The goal is to have the same learning experience for resident and non-resident students. The courses in this certificate or the other EW certificates need not be taken in order, however, all of the individual course prerequisites must be met before enrolling in the course. The degree MEng (EE) is awarded upon completion of the three certificates (36 credits with an average GQPR of 3.0). More information on the Electrical & Computer Engineering Department's Distance Learning Programs, including a tentative schedule of DL course offerings, is available at: http://www.nps.edu/Academics/Schools/GSEAS/Departments/ECE/Academics/DistanceLearning/index.html Quotas: 20 Program Start: Continuous (typically Fall) Program Length: 3 quarters, 5 hours per week

**PRE-REQUISITE:** BSEE degree graduates with a 2.2 GPA or better, or graduates with a degree in a related field of science or engineering with appropriate academic background (knowledge of basic circuits, linear systems and Fourier transforms, probability and statistics, and undergraduate electromagnetic fields and waves).

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P471019** | DISTANCE LEARNING | U | SENIOR ENLISTED ACADEMY (NON-RESIDENT) | 9.2 | VAR | |
| **ECL:** 80 | | | | **EIMET:** | No | |

To prepare selected senior enlisted leaders, in the grades of E-7 thru E-9, to better fulfill their expanded leadership and management responsibilities. The class is sub-divided into small working groups to allow a free exchange of ideas, sharing of experiences, reasoning in group problem-solving, fostering self-confidence and team building. Guest lecturers are used extensively throughout the course as subject matter experts. The 240-hour curriculum addresses the following areas: communication skills, leadership skills, leadership and management techniques, national security affairs, U.S. Navy programs, and health and physical readiness. This course requires intensive reading, writing, and public speaking skills. Basic computer skills are also required. This is the first of two phases required to complete this course. The first 63 calendar day phase consists of facilitated distance learning via U.S. Navy War College blackboard. Distance learning workload is projected to be three to five hours a week on assignments. The second phase consists of a 19-calendar day in residence portion. To graduate, students MUST attend both phases and pass ALL of the following: (1) Writing and speaking assignments (2) Exams (3) (Upon arrival) U.S. Navy Body Composition Assessment (OPNAVINST 6110.1J) Security Cooperation Offices (SCO) must ensure IMS secures local, suitable, reliable internet connection prior to Distance Learning (DL) Course Start. Attendees of the 63-calendar day DL course WILL attend the three week, in residence component, one week after blackboard portion closes out. Group integrity is maintained throughout DL and in residence portion. Online Enrollment must be completed by the IMS through Course Administrator via Telephone at DSN 841-4222 Comm: 401-841-4222. This is not a stand-alone course and must be completed prior to/in conjunction P171019, SENIOR ENLISTED ACADEMY (RESIDENT). Targeted Audience: Enlisted E-7- E-9

**PRE-REQUISITE:**

**COURSE NOTES:** Online Enrolment must be completed by the IMS through Course Administrator via Telephone at DSN 841-4222 Comm: 401-841-4222.

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| **P471031** | CURR 270 PGS DISTL OCONUS | U | INFO SYS SECURITY ENGINEERING (ISSE) CERT OCONUS | 39 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

The role of Information Systems Security Engineering (ISSE) is to help ensure that the security requirements of systems are met. Lacking proper security engineering, systems fail to be certified and accredited, causing costly delays or failures. Ideally the Information Systems Security Engineer (also known as an ISSE) will be a member of the system development team throughout its lifecycle; however, for preexisting systems, the ISSE may be required to assess existing system vulnerabilities and determine mitigating strategies. As systems have grown more complex and adversaries continue to successfully exploit numerous vulnerabilities, the need for improved secure system engineering and the formation of a larger cadre of skilled ISSEs has become more acute. The ISSE course sequence will provide the knowledge and analytical skills required to contribute productively in system developments and assist in building a larger cadre of skilled ISSEs to combat adversaries. Required Courses: CS3690 Network Security CS3695 Network Vulnerability and Risk Mitigation CS4600 Secure System Principles CS4650 Fundamentals of Information Systems Security Engineering CS4652 Applied Information Systems Security Engineering

**PRE-REQUISITE:** Applicants must have earned a baccalaureate degree to be considered for admission.

**COURSE NOTES:**

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| **P471107** | CURR 359 PGS DISTL (16CRS) | U | MASTER OF HUMAN SYSTEM INTEGRATION | 104 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

Human Systems Ingegration (HSI) is an interdisciplinary program that emphasizes human considerations as a priority in systems design and acquisition, to reduce life cycle costs, and improve total system performance. HSI has been divided into several distinct domains that include human factors engineering, manpower, personnel, training, human survivability, health hazards, system safety, and habitability. HSI is based on the understanding that people (operators, maintainers, and support personnel) are critical elements of the system and that a human-centered design perspective promotes system effectiveness, safety, and cost savings. This degree will provide students with the knowledge, skills, and abilities to be effective leaders in the assessment, design, testing, and management of a total human machine system throughout its life cycle. Quotas: Limited to One cohort of 35 students per year. Course Start Date: 11 Sep 16 (Fall) Course Length: 2 years

**PRE-REQUISITE:** A baccalaureate degree with above-average grades is required. Students without these quantitative prerequisites will be accepted in cases where their undergraduate records indicate that they are exceptional students and there are other indicators of potential. An academic profile code (APC) of 335 is required for the resident program, and 345 for the distance learning program.

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P471209** | CURR 836 PGS DISTL (17 CRS) | U | MASTER OF SCIENCE IN PROGRAM MGMT (MSPM) OCONUS | 104 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

The Master of Science in Program Management (MSPM) degree is designed to provide primarily civilians (officers may participate with sufficient time on station to complete the program) in the Department of Defense (DoD) and other federal agencies an advanced education in the concepts, methodologies and analytical techniques necessary for successful management of programs/projects within complex organizations. The curriculum focuses on leadership, problem solving and decision making within the acquisition environment utilizing case studies, teaming exercises, hands-on applications, active participation and integrative exercises. Lecture and laboratory tasks require the application of critical thinking to problem solving within notional and actual situations. Student input includes civilians (officers) from all DoD services and other federal agencies. The curriculum is designed to provide graduates with the knowledge, skills and abilities to manage and lead effectively in the federal government acquisition environment. Degree: Master of Science Program Management (MSPM) Quotas: Limited to 30 students per year Course Start: Spring, Summer, Fall and Winter quarters depending on cohort availability

**PRE-REQUISITE:** Candidates for the program must have achieved the following: a baccalaureate degree with a minimum undergraduate quality point rating (QPR) of 2.20; full certification at Level II or higher in one of the following career fields: program management; contracting acquisition logistics; test & evaluation; systems planning, research, development and engineering; or manufacturing, production, quality assurance under the provisions of the Defense Acquisition Workforce Improvement Act (DAWIA) (or equivalent certification for non-DoD personnel); and completion of the following two courses: (1) a course in statistics, and (2) a course in calculus.

**COURSE NOTES:**

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| **P471214** | CURR 274 PGS DISTL (4 CRS) | U | ANTI-SUB WARFARE CERT PROGRAM (ASW CERT) OCONUS | 52 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

The curriculum for the Anti-Submarine Warfare (ASW) Certificate Program supports the needs of the Navy in ASW, and complements existing warfare ASW training and qualification. The ASW Certificate Program provides a science and engineering foundation which covers fundamental concepts in four areas: Physical Oceanography; Signal Processing; Operations Research; and Engineering Acoustics. These subjects are the educational cornerstone for this highly interdisciplinary certificate program. Anti-Submarine Warfare encompasses multiple disciplines. The ASW Certificate is a distance learning curriculum that consists of four fully accredited courses delivered by multiple modes of instruction. Offered over a one-year period, these courses develop critical analytic skills and understanding of fundamental principles applied in ASW.

**PRE-REQUISITE:** Baccalaureate Degree (BA or BS) Written Command Endorsement A working knowledge of single-variable calculus (MA1113) Probability and statistics

**COURSE NOTES:** Course Start: Normally once a year (March) Quotas: Limited to 25 students per year.

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| **P471216** | CURR 281 PGS DISTL (4 CRS) | U | SYSTEMS ANALYSIS CERTIFICATE (SA CERT) OCONUS | 52 | VAR | |
| **ECL:** | | | | **EIMET:** | No | |

The Systems Analysis Certificate program is a distributed learning, graduate-level, nondegree program designed to meet the needs of the Navy and other services in the Department of Defense (DoD) for nondegree technical education in systems analysis as a basis for aiding key decisions on force requirements, weapon systems, and other defense matters. Students learn and apply modeling, optimization, simulation, and decision making under risk and uncertainty. The Certificate Program consists of four, fully-accredited courses delivered entirely online over a one-year period. The course content and projects will challenge the student academically and address problems of interest to the Department of Defense. The courses are paced week-to-week by the instructors, but the students have great flexibility to do their course work at times of their choosing during each week. Certificate - Academic Certificate in Systems Analysis Course Start: Spring and Fall Quarters Quotas: Limited to 30 students per year

**PRE-REQUISITE:** A baccalaureate degree is required. Completion of mathematics through single variable differential and integral calculus is considered minimal preparation. An academic profile code (APC) of 335 is required.

**COURSE NOTES:** Course Start: Spring and Fall Quarters Quotas: Limited to 30 students per year

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| **P8JP005** | CIVCONTR | U | AVIATION MACHINISTS MATE (AD) | 5.8 | PTDJ | Jacksonville, FL 32212 |
| **ECL:** 70 | | | | **EIMET:** | No | |

Maintain aircraft engines and their related systems, including the induction, cooling, fuel, oil, compression, combustion, turbine, gas turbine compressor, and exhaust systems; preflight aircraft; conduct periodic inspections on engines and engine-related systems; field-test and adjust engine components, including fuel controls, pumps, valves and regulators; remove, repair and replace compressor and turbine blades and combustion chamber liners; preserve and de-preserve engines, engine accessories and components.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P8JP006** | CIVCONTR | U | AVIATION ORDNANCEMAN (AO) | 4.6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Trained to receive, inspect, package, store, handle, and process for shipment: airborne weapons, air launched torpedoes, aerial mines, and ammunition; test, assemble, fuse, load, download, arm, de-arm all airborne weapons, torpedoes, and mines for aircraft carriage; receive, inspect, store, load, and download sonobuoys; perform authorized maintenance on airborne weapons; receive, inspect inventory, configure, test, and maintain Airborne Weapons Support Equipment (AWSE), Ordnance Handling Equipment (OHE), and materials handling equipment; test and maintain aircraft armament release and control systems; preventative maintenance and rework of airborne weapons/systems/equipment, and conventional weapons qualification/certification programs; prepare, review, maintain, and inspect compliance with directives and reports applicable to Notice of Ammunition Reclassification (NAR), High Energy Radiation Hazards to Ordnance (HERO), Weapons Certification Program, and Explosive Handling Certification Program.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P8JP007** | CIVCONTR | U | AVIATION ELECTRICIAN'S MATE (AE) | 9.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Trained to maintain electrical and instrument systems, including power generation, conversion, and distribution systems, aircraft batteries, interior and exterior lighting, electrical control of aircraft systems, including hydraulic, landing gear, flight control, utility, and power plant engine, flight and non-instrument-type indicating and warning systems, automatic flight control and stabilization systems, fuel quantity, aircraft compass systems attitude reference systems, ice and rain protection, fire/smoke/overheat detection and protection, and inertial navigation systems.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P8JP008** | CIVCONTR | U | AVIATION ELECTRONICS TECHNICIANS (AT) | 8.8 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Trained to perform organizational level maintenance on aviation electronics systems, to include: communications, radar, navigation, antisubmarine warfare sensors, electronic warfare, data link, fire control and tactical displays with associated equipment. On the P-8A, each AT shall receive practical training Pre-flight Insertion Data (PID) component insertion, Mission Computing and Display Systems (MCDS) initialization, health monitoring of the Mission Systems suite via TOMS, troubleshooting as defined by the Weapons Integrated Production Team, as well as comprehensive end-to-end checks of each system maintained by the AT. This training shall be sufficient to enable each AT to operate and maintain TOMS, as well as accurately assess the health of any Mission System (via TOMS) that may be deemed degraded during operational / functional and systems-level testing. This will require access to and understanding of systems schematics outlined in the Wiring Diagram Manual (WDM), as well as NAVAIR approved OEM data contained in COTS manuals.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **P8JP009** | CIVCONTR | U | AVIATION STRUCTURAL MECHANIC (AM) | 6 | PTDJ | Jacksonville, FL 32212 |

**ECL:** 70 **EIMET:** No

Trained to maintain aircraft airframe and structural components, flight surfaces and controls, hydraulic and pneumatic control and actuating systems and mechanisms, landing gear systems; fabricate and repair metallic and nonmetallic materials; maintain aircraft metallic and non-metallic structures including fuselages, fixed and moveable flight surfaces, tail booms, doors, panels, decks, empennages, and seats; flight control and related mechanisms, hydraulic power storage and distribution systems including main (primary and secondary) auxiliary (utility), and emergency systems, hydraulic actuating subsystems and landing gear systems including wheels and tires, brakes, , storage and distribution systems, and rigging of flight control, landing gear and doors.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **P8JP010** | CIVCONTR | U | AVIATION STRUCTURAL MECHANIC, SAFETY EQUIP (AME) | 4.6 | PTDJ | Jacksonville, FL 32212 |
| **ECL:** 70 | | | | **EIMET:** No | | |

Trained to maintain safety belts, shoulder harnesses and integrated flight harnesses in aircraft, inertia reels, liquid oxygen systems, fire extinguishing systems (excluding fire detection systems), portable fire extinguishers, emergency egress systems and ventilation systems, pneumatic systems, air conditioning systems, other utility systems and associated lines, fittings, rigging, valves and control mechanisms; replenish gaseous oxygen systems; remove and install oxygen system valves and gauges; inspect regulators; and remove shoulder harnesses and lap belts.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **P8JP011** | CIVCONTR | U | P-8A GENERAL FAMILIARIZATION | 0.6 | PTDJ | Jacksonville, FL 32212 |
| **ECL:** 70 | | | | **EIMET:** No | | |

P-8A General Familiarization introduces students to maintenance manuals and aircraft systems through the use of a computerized maintenance manual program, Interactive Courseware (ICW II) and Virtual Tour program

**PRE-REQUISITE:**

**COURSE NOTES:** P-8A GENERAL FAMILIARIZATION International Note(s): Royal Australian Air Force (RAAF) personnel will attend the General Familiarization course one time prior to each training track. (AV Tech, A Tech & ARM Tech).

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|---|---|---|---|---|---|---|
| **P8JP019** | C-101-0308 | U | TACMOBILE TADIL | 2 | PTDJ | Jacksonville, FL 32212 |
| **ECL:** 70 | | | | **EIMET:** No | | |

Upon completion of this course, Electronics Technicians and Operations Specialists will have sufficient knowledge and skills in configuring, maintaining, and operating the Tactical Mobile (TM) Tactical Digital Information Link (TADIL) system. These journeyman level skills are performed under limited supervision utilizing knowledge of Maritime Patrol and Reconnaissance Aircraft (MPRA) mission planning, federated applications, and external databases and programs while globally deployed to operating locations ashore. SCOPE: Instruction includes CNATT introduction, TADIL introduction, TADIL components, technical resources, TADIL system setup, system power on, TADIL configuation, corrective maintenance, TADIL operation, system power off, and system teardown.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **PDET002** | PREP TRAINING PNC | U | COMPUTER TECH AND MGMT INFO SYSTEMS | 0 | POTD | NAS Pensacola, FL 32508 |
| **ECL:** 65 | | | | **EIMET:** No | | |

Train international personnel in Basic, Intermediate, or Advanced Computer Operations, and provides an introduction to various Computer Software Programs and Applications.

**PRE-REQUISITE:**

**COURSE NOTES:** Note: Students should report 5 days prior to class convene.

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|---|---|---|---|---|---|---|
| **PDET016** | PREP TRAINING PNC | U | NITC SWIM PREP | 0 | POTD | NAS Pensacola, FL 32508 |
| **ECL:** 80 | | | | **EIMET:** No | | |

Program provides international students the opportunity to meet the necessary physical standards or be able to physically qualify in U.S. Navy training programs including pilot, Naval Flight Officer (NFO)/Weapons Systems Officer (WSO), rescue swimmer, and aircrew training. The physical training is designed to build the students overall body strength in order to meet the rigors of the many physically demanding qualities found in all types of aviation training and other areas requiring high physical standards. Water survival training exposes the student to special swim conditioning to familiarize and be able to adapt to the open water environment.

**PRE-REQUISITE:**

**COURSE NOTES:** ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** Students must bring a pair of steel-toed boots or be prepared to purchase them for training. Students are required to supply their own physical training gear (running shoes, shorts, socks, and t-shirts). Sweatshirts and sweatpants, stocking hats, and gloves may be required, depending on the outside temperature. Students should verify the temperature at the training location and dress accordingly. Temperatures in the Pensacola Area can be below freezing in December and January.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **PJSF015** | CIVCONTR I002 | U | ALIS MANAGEMENT AND SUPERVISION | 2.6 | VAR | |

**ECL:** **EIMET:** No

ALIS Managers and Supervisors plan, schedule, and organize use and maintenance of aircraft, engines, munitions, missiles, aerospace ground equipment (AGE), and associated support systems. In addition, ALIS Managers and Supervisors monitor aircraft maintenance scheduling effectiveness. The purpose of this course is to train students to perform ALIS tasks necessary for Maintenance Managers and Supervisors to support F-35 sortie generation operations. Course training topics include: ALIS functional overview, basic TMS user functions, advanced TMS supervisory functions, review AV health and maintenance status using CMMS, review squadron status using SHM, review AV structural health using SPHM, use AFRS to troubleshoot maintenance issues, review LO status using LOHAS, and using CRM to create and approve ARs. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC.

**PRE-REQUISITE:**

**COURSE NOTES:** Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-14) Expiration Date: Example format: (01-Feb-14) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. This course is UNCLASSIFIED; however, access to the Eglin Flight Line requires a U.S. Equivalent SECRET Security Clearance. Note: 1. This course is a substitute for the UK ALIS Infrastructure Training (AIT) 2nd/3rd Signatory course (PJSF012) which remains under development. 2. Twelve (12) UK MoD students will be programmed for this course as part of the UK Lightning II Mechanic (RAF) training MASL ID PJSF014. 3. UK may send both Royal Air Force (RAF) and Royal Navy (RN) students to this training. 4. Some UK students attending this training may have either received training at the Eglin Academic Training Center (ATC) previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations.

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|---|---|---|---|---|---|---|
| **PJSF021** | CIVCONTR ITF00001000CS FXX | U | F-35 CRASHED DAMAGED DISABLED AIRCRAFT REC (CDDAR) | 0.4 | VAR | |

**ECL:** 75 **EIMET:** No

A two-day academic and hands-on course for Firefighters, Aircraft Recovery (AR) crew, and rescue personnel to familiarize them with them with the general characteristics of the F-35 aircraft, safety related items and items of specific interest related to emergency aircraft shutdown. The course also covers aircraft recovery off an active runway, unique F-35 towing principles, crew escape concepts and key points about F-35 pilot rescue and firefighting. The first day of the CDDAR Course is 8 hours of academics with 5 examinations using hand written notes. This course is all encompassing for Aircraft Recovery personnel with courses and hands on training for tire and wheel maintenance, aircraft jacking and towing. The morning of the second day covers on-aircraft familiarization session stressing configuration and aircraft safe for maintenance items using active Joint-services Technical Data (JTD). Unique pilot rescue items are also trained if there are firefighting and rescue personnel in attendance. Firefighters and rescue personnel will find the second half of the second day very "aircraft maintenance" intensive and are not required to attend because that day is tailored to maintenance aspects where F-35 axle jacking, tire and wheel removal and towing is covered. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and related support equipment.

**PRE-REQUISITE:** This course is open to junior (U.S. E-3 equivalent) through senior enlisted (U.S. E-9 equivalent)/commissioned Warrant Officers (US WO1-WO5 equivalent); Commissioned Officers (U.S. O-1 through O-5 equivalent) and designated Civilian personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites.

**COURSE NOTES:** This course is UNCLASSIFIED; however, access to the Flight Line requires a U.S. Equivalent SECRET Security Clearance.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF022** | CIVCONTR I001 | U | ALIS MAINTENANCE PLANNERS AND SCHEDULERS | 1.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** 75 **EIMET:** No

ALIS Maintenance Planners and Schedulers collect, maintain, and analyze maintenance performance data for use in analysis reports, studies, and problem identification. The purpose of this course is to train students to perform ALIS tasks necessary for Maintenance Planners and Schedulers to support F-35 sortie generation operations. Course training topics include: ALIS functional overview, basic TMS user and supervisory functions, review AV status using CMMS, review squadron status using SHM, review LO status using LOHAS, and using CRM to create and approve ARs. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

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|---|---|---|---|---|---|---|
| **PJSF023** | CIVCONTR MI003-103A3 | U | ALIS OPERATIONS SCHEDULERS | 0.8 | PEGL | Eglin AFB, FL 32542 |

**ECL:** 75 **EIMET:** No

ALIS Operations Schedulers create and maintain annual sortie training plans, schedule training events (flight, simulator, and academic), and maintain flight records for the squadron. The purpose of this course is to train students to perform ALIS tasks necessary for Operations Schedulers to support F-35 sortie generation operations. Topics include: ALIS functional overview, basic TMS user functions, TMS sortie planning, maintaining flight records in TMS, TMS schedule creation, CMMS overview, SHM overview, and Flight Scheduling Decision Support (FSDS) procedures. Uniform and Equipment Requirements: Reporting orders CAC/ID card Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment.

**PRE-REQUISITE:** Previous experience with mission planning

**COURSE NOTES:** 1. This course may be provided periodically to selected F-35 Cooperative Project Personnel (CPP) assigned to Integrated Test Force (ITF) locations (NAS Patuxent River, MD; Edwards AFB, CA); and F-35 training sites (MCAS Beaufort, SC, Eglin AFB, FL; Luke AFB, AZ). Requests for other non-CPP F-35 program foreign national personnel to attend this training must be submitted to the F-35 Program Office. 2. Lockheed Martin (LM) will provide this training. 3. Some students attending this training may have received F-35 training at the Eglin Academic Training Center (ATC) previously. 4. There is no F-35 IMSO assigned to the Edwards AFB ITF training activity location. U.S. Gov't point of contact info is provided below This course is UNCLASSIFIED; however, access to the Flight Line requires a U.S. Equivalent SECRET Security Clearance.

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF024** | CIVCONTR I012 | U | ALIS OFF EQUIPMENT | 1.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** 75 **EIMET:** No

To train students to perform ALIS tasks required in an off-equipment or back shop maintenance environment. Because these personnel also perform a number of on-equipment tasks, a portion of on-equipment training is also included in this course. Course training topics include: ALIS functional overview; basic SCM functions; basic TMS user functions; review AV health and maintenance status using CMMS; and using CRM to create and approve ARs. Uniform and Equipment Requirements: Reporting orders CAC/ID card Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment.

**PRE-REQUISITE:**

**COURSE NOTES:** 1. This course may be provided periodically to selected F-35 Cooperative Project Personnel (CPP) assigned to Integrated Test Force (ITF) locations (NAS Patuxent River, MD; Edwards AFB, CA); and F-35 training sites (MCAS Beaufort, SC, Eglin AFB, FL; Luke AFB, AZ). Requests for other non-CPP F-35 program foreign national personnel to attend this training must be submitted to the F-35 Program Office. 2. Lockheed Martin (LM) will provide this training. 3. Some students attending this training may have received F-35 training at the Eglin Academic Training Center (ATC) previously. 4. There is no F-35 IMSO assigned to the Edwards AFB ITF training activity location. U.S. Gov't point of contact info is provided below This course is UNCLASSIFIED; however, access to the Flight Line requires a U.S. Equivalent SECRET Security Clearance.

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| **PJSF033** | CIVCONTR A002 | U | ALIS OFFBOARD MISSION SUP ADMN PH 1 MPSE 2.1.5-TRN | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

PENDING Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Previous experience with mission planning

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF034** | CIVCONTR A004 | U | ALIS NETWORK ADMINISTRATOR ESSENTIALS | 1.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

ALIS NETWORK ADMINISTRATOR ESSENTIALS Course Description: Network Administrators ensure the integrity of ALIS network connections and communications. The purpose of this course is to provide students with the low complexity and low consequence ALIS network administration skills needed to be immediately effective in the operations squadron. Course training topics include: ALIS functional and technical overview; maintenance of ALIS firewalls, blade servers, and switches. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Apprentice-level networking skills, including installation, configuration, troubleshooting, fault isolation, and corrective maintenance on aviation microcomputer systems and peripheral devices, servers and server-based applications, aviation telecommunication systems, aviation area network connectivity and interoperability, TCP/IP heterogeneous internetworks, and aviation switched and routed digital computer internetworks

**COURSE NOTES:**

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| **PJSF035** | CIVCONTR I105 | U | ALIS JOINT-SERVICE TECHNICAL DATA | 0.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

ALIS JOINT-SERVICE TECHNICAL DATA Course Description: This course provides personnel with sufficient knowledge of the Joint Strike Fighter (JSF) ALIS Joint-Service Technical Data (JTD) functions and procedures to effectively use the application in support of F-35 sortie generation operations. The lessons are intended to be delivered on an ad hoc basis; therefore, a comprehensive assessment is not included. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF036** | CIVCONTR A003 | U | ALIS SYSTEM ADMINISTRATOR ESSENTIALS | 1.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

The System Administrator provides the overall on-site maintenance and support of ALIS and is the primary point of contact for any questions or concerns raised by ALIS users. The purpose of this course is to provide students with the low complexity and low consequence ALIS system administration skills needed to be immediately effective in the operational squadron. Course training topics include: ALIS functional and technical overview; ALIS administration fundamentals for servers, workstations, and applications. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Apprentice-level system administration skills, including Windows Server 2012 navigation and management; Vmware installation, configuration, and management; management of servers and applications; user account management; and application backup and restoration " ALIS user training, such as ALIS Management and Supervision (I002) (PJSF015), ALIS Flight Line Supervision (I010) (PJSF042), or ALIS Off Equipment (I012) (PJSF024) " 4-6 months of ALIS user experience

**COURSE NOTES:**

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| **PJSF037** | CICCONTR A007 | U | ALIS SYSTEM ADMINISTRATOR ADVANCED | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To build on the skills trained in ALIS System Administration Essentials (A003) and leverage the experience gained from performing basic system administration tasks. In this course, students will learn to perform tasks that are both more complex and less frequently performed, as well as how to troubleshoot all but the most complex system issues. Course training topics include: ALIS advanced server administration, ALIS advanced workstation administration, and ALIS advanced application administration Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Completion of ALIS System Administrator Essentials (A003) (PJSF036) or equivalent - 6 months of experience as an ALIS System Administrator

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF038** | CIVCONTR A009 | U | ALIS SYSTEM ADMINISTRATOR MASTERY | 0.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To build on the skills trained in ALIS System Administration Advanced (A007) and leverage the experience gained from performing advanced system administration tasks. In this course, the students will learn to perform those complex tasks that have the highest potential for adverse impact to squadron readiness if performed incorrectly; and to troubleshoot the most complex system issues. Course training topics include: ALIS server administration mastery and ALIS application administration mastery Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** ALIS SYSTEM ADMINISTRATOR MASTERY Prerquistie Text: Requirements Prior to Attending Course: " Completion of ALIS System Administrator Advanced (A007) (PJSF037) or equivalent " 12 months of experience as an ALIS System Administrator

**COURSE NOTES:**

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| **PJSF039** | A008 | U | ALIS NETWORK ADMINISTRATOR ADVANCED | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To build on the skills trained in ALIS Network Administration Essentials (A004) and the experience gained performing basic network administration tasks. In this course, the students will learn to perform less frequently performed tasks, as well as those complex tasks that have the highest potential for adverse impact to squadron readiness and security if performed incorrectly. The course will also prepare the students to troubleshoot the most complex network issues. Course training topics include: Advanced maintenance of ALIS firewalls and switches. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Completion of ALIS Network Administration Essentials (A004) (PJSF034) or equivalent - 6 months of experience as an ALIS Network Administrator

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF040** | CIVCONTR A006 | U | ALIS SOUV2 SET UP / TEAR DOWN / OPERATE | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To train ALIS System Administrators on the steps necessary to set up, tear down, and operate the Standard Operating Unit version 2 (SOUv2). Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Experience supporting ALIS SOUv1 as a System Administrator - Completion of ALIS System Administrator Advanced (A007) (PJSF037) or equivalent

**COURSE NOTES:**

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| **PJSF041** | CIVCONTR A002 | U | ALIS OFF-BOARD MISSION SUP ADMIN MPSE R2.0.2.4 | 1.8 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

The Off-Board Mission Support Administrator is responsible for preparing the devices and systems necessary for mission planning to take place. The purpose of this course is to provide students with the skills necessary to support the software and applications used in the Off-Board Mission Support (OMS) Environment (OMSE). Course training topics include: ALIS functional and technical overview, overview of the OMSE, administration of the Joint Mission Planning System (JMPS), administration of the OMS cryptographic systems and files. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Previous experience with mission planning

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF042** | CIVCONTR I010 | U | ALIS FLIGHT LINE SUPERVISION | 2.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

ALIS Flight Line Supervisors plan, schedule, and organize use and maintenance of aircraft, engines, munitions, missiles, aerospace ground equipment (AGE), and associated support systems. In addition, ALIS Flight Line Supervisors monitor aircraft maintenance scheduling effectiveness. The purpose of this course is to train students to perform ALIS tasks necessary for Maintenance Flight Line Supervisors to support F-35 sortie generation operations. Course training topics include: ALIS functional overview, basic TMS user functions, basic TMS supervisory functions, review AV health and maintenance status using CMMS, review squadron status using SHM, review AV structural health using SPHM, use AFRS to troubleshoot maintenance issues, review LO status using LOHAS, and using CRM to create and approve ARs. This course is a subset of the ALIS Management and Supervision course with a few TMS and CMMS lessons removed. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **PJSF043** | CIVCONTR I015 | U | ALIS SUPPLY WAREHOUSE TECHNICIAN | 1 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

The Supply Operations personnel are responsible for the direction and management of retail or wholesale supply activities for the squadron. The purpose of this course is to train students to perform ALIS tasks necessary for Supply Warehouse Technicians to support F-35 sortie generation operations. Course training topics include: ALIS functional overview, basic and intermediate SCM functions, basic TMS user functions, and using CRM to create Ars. This course is a subset of the ALIS Supply Operations course with advanced SCM and CRM lessons and CMMS user lessons removed. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF044** | CIVCONTR I101 | U | ALIS FAMILIARIZATION | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To give students an overview of the Autonomic Logistics Information System (ALIS) and the relationships among the ALIS systems, subsystems, and applications. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **PJSF045** | CIVCONTR I102 | U | ALIS TMS SUPER USER | 0.8 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To train students in the Operations Squadron to perform ALIS Training Management System (TMS) procedures. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF046** | CIVCONTR I103 | U | ALIS COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM | 1.2 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

Provides personnel with sufficient knowledge of the Joint Strike Fighter (JSF) ALIS Computerized Maintenance Management System (CMMS) functions and procedures to effectively use the application in support of F-35 sortie generation operations. The lessons are intended to be delivered on an ad hoc basis; therefore, a comprehensive assessment is not included. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **PJSF047** | CIVCONTR I104 | U | ALIS CUSTOMER RELATIONSHIP MANAGEMENT | 0.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

Provides personnel with sufficient knowledge of the Joint Strike Fighter (JSF) ALIS Customer Relationship Management (CRM) functions and procedures to effectively use the application in support of F-35 sortie generation operations. The lessons are intended to be delivered on an ad hoc basis; therefore, a comprehensive assessment is not included. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PJSF048** | CIVCONTR I106 | U | ALIS LOW OBSERVABLE HEALTH ASSESSMENT SYSTEM | 0.4 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

Provides personnel with sufficient knowledge of the Joint Strike Fighter (JSF) ALIS Low Observable Health Assessment System (LOHAS) functions and procedures to effectively use the application in support of F-35 sortie generation operations. The lessons are intended to be delivered on an ad hoc basis; therefore, a comprehensive assessment is not included. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

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| **PJSF049** | CIVCONTR I107 | U | ALIS POINT OF ENTRY | 0.2 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

Provides personnel with sufficient knowledge of the Joint Strike Fighter (JSF) ALIS Point of Entry (POE) fundamentals to effectively use the application in support of F-35 sortie generation operations. The lessons are intended to be delivered on an ad hoc basis; therefore, a comprehensive assessment is not included. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **PJSF050** | CIVCONTR A005 | U | ALIS OFF-BOARD MISSION SUP ADMN PHII MPSE 2.1.6-US | 1 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

The Off-Board Mission Support Sustainment role supports OMS by sustaining the OMS Environment (OMSE) after initial installation and configuration. This includes initializing Joint Mission Planning System (JMPS) preferences and presets and performing data loads. The purpose of this course is to provide students with the skills necessary to successfully execute the duties of the OMS Sustainment role. Course training topics include: ALIS functional and technical overview, overview of the OMSE administration, Joint Mission Planning System (JMPS) administration, administration of F-35 air system keys and cryptography. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Previous experience with mission planning preferred

**COURSE NOTES:**

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| **PJSF051** | CIVCONTR I014 | U | ALIS MAINTENANCE MANAGER SUPER USER COURSE | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

To train students to perform ALIS tasks necessary for management of life-limited parts in F-35. This course is tailored to personnel who support the F-35 propulsion system, or stand-alone systems, in both an on- and off-equipment environment. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. Note(s): 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Completion of one of the following: ALIS Management and Supervision (I002) (PJSF015); ALIS Flight Line Supervision (I010) (PJSF042); or ALIS Off Equipment (I012) (PJSF024)

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
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| **PJSF052** | CIVCONTR | U | ALIS F-35 AIRCRAFT WEIGHT & BALANCE DELTA | 0.6 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

Train students to use the F-35 AWBS software to perform administrative AWBS tasks to include Automated Weight and Balance System (AWBS) familiarization, F-35 ZFMP ADL file, File Maintenance Tool (FMT) familiarization, and F-35 automated Form F (AFF) familiarization. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:** Previously weight and balance qualified/certified on legacy platform

**COURSE NOTES:**

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| **PJSF053** | CIVCONTR M010 | U | ALIS MQM ON-AIRCRAFT | 1.2 | PEGL | Eglin AFB, FL 32542 |

**ECL:** **EIMET:** No

This course is designed to be presented prior to the JSF MQM course to give flight line students familiarization with the ALIS applications and tools that they will need to perform daily maintenance activities for the F-35. Uniform and Equipment Requirements: Reporting orders, ID card, Passport Appropriate Military and Civilian Attire x 2 sets Majority of training is in a classroom environment. Working utility uniform recommended for aircraft maintenance training activities. Appropriate safety shoes required when working around aircraft and maintenance training equipment within the Eglin ATC. Refer to the SANWeb/SCO Training Management System Training Library for the Eglin ATC Welcome Aboard Package for detailed information. Students attending this training may have completed training previously at the Eglin ATC. Consult with the IMSO for recommended student arrival dates. Due to 96th Test Wing information requirements for either physical and/or virtual access, SCO's/Training Managers are requested to ensure that the following supplemental security clearance information is included in Block (or Paragraph) 15 of the ITO: Investigation Date: Example format: (01-Feb-15) Expiration Date: Example format: (01-Feb-16) Investigation Type: (Note 1) Note 1. Enter last type of background Investigation (i.e., equivalent to U.S. NAC, NACI, or SSBI). Failure to provide the requested information may delay student in-processing time and impact the IMS training start dates or access to areas within the training facility and/or flight line. Contact the IMSO if additional information is required. 1. This course is open to junior (U.S. E-3 equivalent) to senior enlisted/commissioned Warrant Officer and Civilian Ministry of Defense (MoD) and Department of Defense (DoD) personnel. Target audiences are personnel en-route to or serving in Cooperative Project Personnel (CPP) assignments within CONUS providing direct and indirect Operational Test (OT) support and non-CPP aircraft maintenance support assignments at CONUS training sites. 2. The first conduct of this course to International representatives (UK (3) and Netherlands (3) is scheduled for 22- 30 Sep 2014. Three (3) USMC representatives will also attend the course. 3. Training is contractor developed and will be delivered by the contractor (Lockheed Martin) at the Eglin Academic Training Center (ATC). 4. Anticipate the course will be updated with new content in late Calendar Year (CY) 2014. 5. Some students attending this training may have either received training at the Eglin ATC previously and/or be assigned as Cooperative Project Personnel (CPP) in CONUS locally (Eglin) or at other CONUS locations. Consult with the Eglin IMSO on desired student report dates.

**PRE-REQUISITE:**

**COURSE NOTES:**

| MASL No | CIN | Class | MASL Name | Dur (Wk) | Loc Code | Location |
|---|---|---|---|---|---|---|
| **PREPDIV** | N/A | U | NITC DIVE PREP AND SCREENING | 6 | POTD | NAS Pensacola, FL 32508 |

**ECL:** **EIMET:** No

Provides international students the opportunity to meet the necessary physical standards or be able to physically qualify for entrance into the one of three schools in Panama City, FL: Joint Officer Dive, Second Class Dive Course, or First Class Dive Course. The physical training is designed to build the students overall body strength in order to meet the rigors of the many demanding qualities found to be needed in the U.S. Navy Dive pipeline. This course is mandatory for all international military students attending follow-on training at the U.S. Navy Dive School.

**PRE-REQUISITE:** NITC DIVE PREP ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** (1) Successful completion of this NITC Dive Prep course is mandatory for all students prior to training at NDSTC. (2) Students must meet the physical requirements IAW MILPERSMAN 1220-100 and 1220-410. NO WAIVERS WILL BE GRANTED DUE TO SAFETY FACTORS. (3) Must be medically qualified IAW Manual of the Medical Department NAVMED P117 Article 15-102 change 147 and must be documented on DD Form 2807-1 (Medical History) and DD Form 2808 (Medical Exam) in English. Students cannot be pregnant. (4) Medical examination forms should be forwarded to NAVDIVESALVTRACEN Medical Department prior to departing the home country for determination of acceptability into the program. A) The medical examination forms MUST be accompanied by the actual reports (translated into English) for all required testing (laboratory tests, chest X-ray and electrocardiogram). B) A point of contact name should accompany each physical. NAVDIVESALVTRACEN Medical Dept fax number is +1-850-235-5993 and the medical administrative email address is NDSTC_PNMA_MEDICAL-ADMIN@navy.mil. C) A copy of the forwarding letter shall be provided to NETSAFA. D) All medical requirements must be completed prior to arrival at the course site. (5) This course is reserved for International Military Officer students under the Foreign Military Sales (FMS) Program and International Military Education and Training (IMET) Program. (6) A minimum score of 80 on the English Comprehension Level (ECL) exam and attendance in the Specialized English Training (SET) at the Defense Language Institute (DLI) is required. (7) Students must have a physiological and psychological screening test before attending this course of instruction. (8) Prerequisites must be completed prior to arrival at course site. Physical and medical requirements for this course can be found in the NDSTC IMS Handbook located on line: http://www.netc.navy.mil/centers/ceneoddive/ndstc/_documents/International.pdf **It is HIGHLY RECOMMENDED that all parties review the handbook and medical guidelines prior to enrolling students for this course** Additional Training Resources and a copy of the DD Form 2807-1 and DD Form 2808 and instructions for completing DD Form 2808 can be found at: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0 NAVMED P117: Click on Chapter 15 and search for 15-102 http://www.med.navy.mil/directives/Pages/NAVMEDP-MANMED.aspx

**COURSE NOTES:** NITC DIVE PREP ***THIS IS HIGH RISK TRAINING*** ***THIS IS A PHYSICALLY DEMANDING COURSE*** International Note(s): THE INDIVIDUAL ITO MUST BE ENDORSED (SPECIAL REMARKS SECTION): "MANDATORY PHYSICAL TRAINING IS REQUIRED. REFUSAL TO PARTICIPATE SHALL RESULT IN DISMISSAL." (See Prerequisite Text for more information.) STUDENTS MUST BE PREPARED TO PARTICIPATE IN DAILY, STRENOUS EXERCISE FOR APPROXIMATELY ONE HOUR. THIS INCLUDES THREE-MILE RUNS, 1,000 YARD SWIMS AND NUMEROUS CALISTHENICS. STUDENTS SHOULD REPORT FIVE WORKING DAYS PRIOR TO CONVENING DATE FOR ACCLIMATION AND ADMINISTRATIVE PROCESSING. STUDENTS MUST REPORT WITH MEDICAL AND DENTAL RECORDS. PRIOR TO ENROLLING IN THIS COURSE, STUDENTS SHOULD BE THOROUGHLY FAMILAIR WITH ADDITIONAL TRAINING RESOURCES FOUND ON THE NDSTC WEBSITE: http://www.netc.navy.mil/centers/ceneoddive/ndstc/Resources.aspx?ID=0