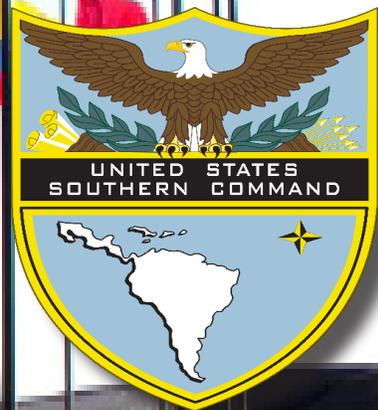


*INTER-AMERICAN AIR FORCES
ACADEMY
COURSE CATALOG 2024*



**INTER-AMERICAN
AIR FORCES ACADEMY**



Security Cooperation Through



High Education and Training







**DEPARTMENT OF THE AIR FORCE
INTER-AMERICAN AIR FORCES ACADEMY
JOINT BASE SAN ANTONIO-LACKLAND TEXAS**

28 February 2023

Colonel José E. Jiménez Jr., USAF
Commandant
Inter-American Air Forces Academy
2431 Carswell Ave
JBSA-Lackland TX 78236-5609

Esteemed Security Cooperation partners,

We are pleased to publish the 2024 Inter-American Air Forces Academy (IAAFA) course catalog. This publication is designed to assist you and your U.S. Security Cooperation Organizations (SCOs) in determining, scheduling, and funding courses to advance your organization's goals. It also entails the preparation organizations and prospective students must carry out prior to arriving on our campus.

This academic year, IAAFA will offer 26 in-residence courses along our three core competencies: Technical Training, Aircrew Training, and Professional Military Education (PME). Some of the highlights include a new Defense Cyber Operations course, the continuation of our recently established Senior Non-Commissioned Officer (SNCO) course, the implementation of a new virtual reality (VR) training aid and a shoot-house as part of the Ground Defense Leadership Course, updated Aircraft Maintenance Officer Course (AMOC) training software, added emphasis on "open source" intelligence in our ISR fundamentals course, and an increase in the number of Women, Peace, and Security training modules.

As IAAFA celebrates 80 years of service to the U.S. Air Force, Latin America, and other international partners; we continue to look into the future to establish innovative ways to meet growing and emerging requirements in areas such as PME, cyber, intelligence, and joint operations. To this end, we recently acquired a Super Tucano / A-29 simulator that will bring new capabilities to our aircrew, maintenance, and intelligence training. We are also designing a capstone combined field exercise that will enable students from multiple disciplines to put into practice what they learned in the classroom. Finally, we are restructuring our manning to build increased flexibility and speed to meet new requirements.

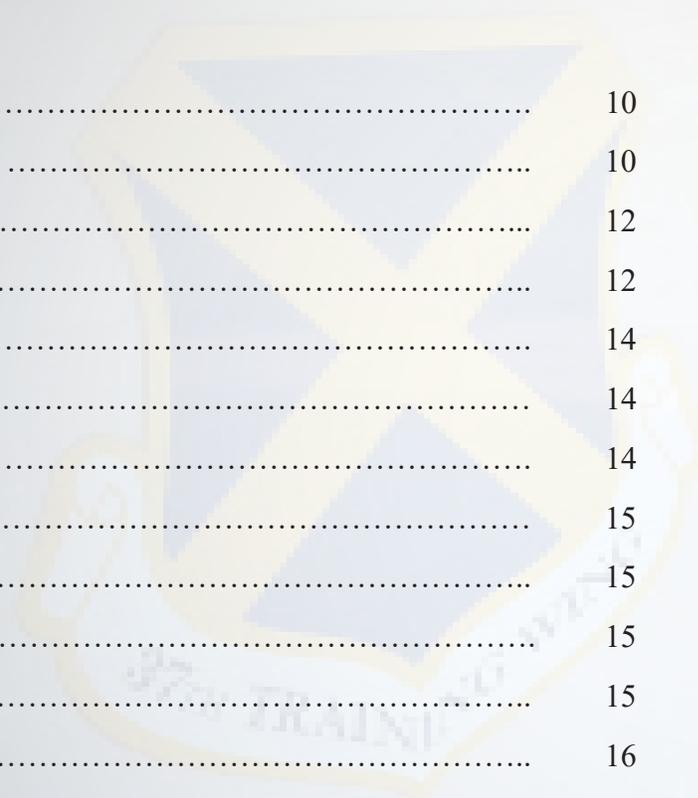
The development and strengthening of Security Cooperation links between our organizations will continue to be the cornerstone of IAAFA's mission. To this end, my team and I are standing by to assist you and your members in any way possible. I look forward to hosting your students on our campus.

Best regards,

JOSE E. JIMENEZ, JR., Colonel, USAF
Commandant

TABLE OF CONTENTS

Cover Page	1
Commandant's Message	5
Table of Contents	6
Course Listing by Title and Page	8
General Information	10
IAAFA History	10
Student Selection Requirements and Prerequisites	10
Academy Calendar	12
General IAAFA Clothing Requirements	12
Physical Fitness Training (PT)	14
Grading System	14
Awards	14
Field Studies Program (FSP)	15
Grievance Procedures	15
Dependent Policy	15
Base Exchange (BX) Privileges	15
Civilian Clothing	16
Meals	16
Open-Bay Dormitories	16
Funds	16
Baggage	17
Firearms Policy	17
Smoking Policy	17
Mail	17
Leave and Absence	17



Medical Care	18
Insurance Policy	18
Dental Care	18
Driver’s License	18
Applicable Directives and Manuals	18

Courses **19**

Human Rights	19
Course Design	19
Course Numbers	19
Graduation Requirements	19
Course Syllabus	20

CURRICULUM OFFERINGS

PROFESSIONAL MILITARY EDUCATION AND LEADERSHIP

L3OZR1412430SRC (MASL D141243), Aircraft Maintenance Officer	25
L3AAR1412490SRA (MASL D141249), Aircraft Maintenance Superintendent	27
L3AZR1730560SRB (MASL D173056), Ground Defense Leadership Course	28
MASL D171055, MASL D319055, Inter-American Airman Leadership Course (I-ALC)	30
MASL D171033, MASL D319063, Inter-American Noncommissioned Officer Course (I-NCOC)	32
MASL D171058, MASL D319029, Inter-American Senior Noncommissioned Officer Course (I-SNCOC)	34
MASL D171032, MASL D319064, Inter-American Squadron Officer Course (ISOC)	36

AIRCREW TRAINING

L3OZR1210640SRB (MASL D121064), Pilot Instrument Procedures	40
L3OZR1210650SRB (MASL D121065), Instructor Pilot Instrument Procedures	42
L3OZR1210660SRB (MASL D121066), Search and Rescue Planning	44

TECHNICAL TRAINING

L3AAR1411560SRA (MASL D141156), Advanced Aerospace Propulsion	49
L3AQR1412510SRC (MASL D117231), Advanced Fixed Wing Aircraft Maintenance	50
L3AZR1412570SRB (MASL D141257), Helicopter Crew Chief	53
L3AAR1410890SRA (MASL D141089), Advanced Helicopter Crew Chief	55
L3AZR1413960SRC (MASL D141396), Aircraft Structural Maintenance Technician	56
L3AQR1330600SRC (MASL D133060), Avionics Communication/Navigation Equipment Technician	58
L3AQR1412530SRC (MASL D141253), Avionics Instrument Technician	61
L3AZR1660410SRC (MASL D166041), Basic Instructor Course	63
L3AAR1411620SRA (MASL D141162), Basic Aerospace Propulsion	64
L3AZR1412820SRC (MASL D141282), Corrosion Control Technician	66
L3AZR1791130SRA (MASL D179113), Defense Cyber Operations	69
L3AZR1791080SRA (MASL D179108), Fundamentals of Networks and Cyber Security	70

TECHNICAL TRAINING (cont.)

L3AQR1720230SRB(MASL D172023), Intelligence, Surveillance, and Reconnaissance Fundamentals . 72
L3AZR1520540SRC (MASL D152054), International Logistics 74
L3AZR1520550SRC (MASL D152055), Materiel Management 77
L3AZR1730670SRB (MASL D173067), Special Reaction Team 78



DISTRIBUTION RESTRICTION:

Approved for public release; distribution is unlimited.

GENERAL INFORMATION

IAAFA History

The Inter-American Air Forces Academy (IAAFA) was founded on 15 March 1943, at the request of Peru's Minister of Aeronautics, General Fernando Melgar. The academy trained 11 Peruvian students at Albrook Field, Panama Canal Zone, marking the first U.S. aeronautics training in Latin America.

In the 1940s and 50s, the Academy expanded and changed in response to potential conflicts in the Western Hemisphere and the world at large. The student load increased to 400 students per year. In 1952, the Commandant established the format for today's IAAFA, emphasizing "hands-on" training, adding officer courses, and creating a "Student Support" section responsible for military and athletic instruction and U.S. cultural awareness. In response to U.S. emphasis in Latin America, the Academy changed its name from "Central and South American Air School" to "United States Air Force School for Latin America," to finally "Inter-American Air Forces Academy" in 1966.

On 30 September 1989, IAAFA closed its doors at Albrook AFS, Panama, and moved to Homestead AFB, Florida, reopening 100 days later on 9 January 1990. On 23 September 1992, following almost complete destruction by Hurricane Andrew, IAAFA relocated to Lackland AFB, Texas, once again opening its doors in just under 100 days, on 11 January 1993. Today, IAAFA graduates an average of 900 students a year--quite a step up from the 11 students of 80 years ago.

Student Selection Requirements and Prerequisites

The United States Security Cooperation Organization (SCO) in the U.S. Military Groups and host governments select students to attend the Academy's courses. In accordance with U.S. and Latin American diversity and inclusion objectives, IAAFA endeavors to welcome as many female students as possible to our program. SCO training officers must ensure each student meets all course prerequisites as stated in the course descriptions of this catalog. Deviations from the minimum requirements established in this catalog must be approved individually by the IAAFA Commandant or designated representative. Applicants must submit waivers or deviations to course requirements requested in writing through AFSAT/TO (2021 First Dr. West, Randolph AFB TX 78150-4302) and approved by IAAFA/CC.

The SCO training officer must:

- a. Obtain the findings of an official and current physical examination from a designated medical authority for all prospective students certifying the individual is free of infectious diseases or other medical conditions, which would disqualify him/her from general military duty. The prospective trainee should receive all immunizations prescribed by the U.S. Public Health Service as approved by the World Health Organization and must be free of active tuberculosis.
- b. Brief each selected student in accordance with Joint Security Cooperation Education and Training (JSCET) Instructions.
- c. Due to high security, brief the student that the academy is on a U.S. military installation and the importance of abiding by the base rules and regulations.

- d. Accomplish security screening in accordance with JSCET Instructions.
- e. Arrange transportation in accordance with JSCET instruction.
- f. Ensure students read the student guide (Guía Estudiantil) prior to departure.
- g. Provide IAAFA/CCI (IAAFA.CCI.StudentAffairs@us.af.mil) with students' arrival information (rank, name, gender, arrival date, time, additional pertinent travel information) no later than one week before the anticipated arrival dates to plan billeting and transportation requirements. In addition, the Security Cooperation Organization will provide this information via the Training Management System and the Security Assistance Network IMSO Web [SANWeb] to the receiving installation at least two weeks before the arrival date if unaccompanied.

NOTE: Students should arrive in San Antonio three days before the class start date, but no earlier.

- h. The Academy's 24-hour point of contact numbers are listed below. Callers may dial the academy toll free line from overseas, but may still be assessed a calling charge by their in-country telephone service.

	From US	From overseas
Toll free	1-800-577-5926	*010-1 (800) 577-5926
Commercial phone	(210) 671-4406	010-1 (210) 671-4406
DSN	473-4406	(312) 473-4406

Academic Calendar

The academic calendar is divided into three classes. Below is the schedule of classes:

Academic Cycle A – February - April

Academic Cycle B – May - August

Academic Cycle C – September - December

General IAAFA Clothing Requirements

General clothing requirements are based on the need of each course. The following table identifies the general requirements for students attending courses at IAAFA. Review the course descriptions and specific requirements to find out what type of uniforms the students need to bring and if their courses provide equipment/additional uniforms. See Table 1.

COURSE LENGTH			
Officer and Enlisted Requirements:	12 Week Course:	Courses less than weeks (Graduate at end of cycle):	Courses Less than 12 weeks (do not graduate at end of cycle):
Light blue short-sleeve shirt w/trousers or equivalent	Students must bring	Students must bring	Students must bring
Service dress (coat & tie) or equivalent	Students must bring	Students must bring	Students must bring
Mess (formal) dress (if not available, then most formal uniform)	Students must bring	Students must bring	Not Required
Battle Dress Utilities (BDU) (See Note *)	Students must bring	Students must bring	Students must bring
Flight Suit	Not Required	Students must bring (See note ***)	Students must bring (See note ***)
Combat Boots (See Note **)	Students must bring	Students must bring	Students must bring
Athletic Attire	Issued by IAAFA	Issued by IAAFA	Issued by IAAFA
Specialized Gear	Issued by IAAFA (If required)	Issued by IAAFA (If required)	Issued by IAAFA (If required)

Table 1, General IAAFA Clothing Requirements

*Courses receiving utility uniforms are: Ground Defense Leadership (MASL 173056), Special Reaction Team (MASL 173067).

**All students attending aircraft maintenance training courses and Material Management will require steel toe boots.

***Pilots attending Pilot Instrument Procedures Course (PIPC, MASL 121064) and Instructor Pilot Instrument Procedures Course (IPIPC, MASL 121065) may bring utility uniforms if they do not have flight suits. All other students are required to bring representative utility uniforms, fatigues, or equivalent work uniforms.

Physical Fitness Training (PT)

IAAFA promotes physical fitness training to support the demanding missions of all students and cadre. The goal of the fitness program is to motivate all students to participate in a physical conditioning program that emphasizes fitness. Physical fitness training is mandatory for all students. Medical exemptions granted with approval from appropriate Academy personnel and required documentation.

Academic Grading System

Grades for courses shall be recorded by the following grades:

Blocks with Knowledge Tests	Blocks with Performance Tests
70 – 100 Pass	S = Satisfactory
0 – 69 Fail	U = Unsatisfactory

NOTE: PIPC and IIPC courses require a minimum passing score 80%

Awards

NOTE: To be eligible for the following class awards, students must attend/complete a 5-week course or longer.

Commandant's Award in Honor of "General Fernando Melgar." This is presented to one officer and one enlisted student for overall academic achievement, leadership, military bearing, and behavior, as well as individual contributions to the academy and sports.

Academic Achievement Award. This is presented to one officer and one enlisted student who maintain the highest overall academic average among all eligible attendees.

Sports Awards. Team and individual (officer, enlisted and/or civilians) awards are presented to members of winning teams participating in the academy's organized sports program.

Outstanding Athlete Award. This is presented to the outstanding athlete, officer, enlisted, and/or civilian on the basis of physical fitness using the Air Force Physical fitness assessment criteria.

Diploma Recognition. The Distinguished Graduate Program – The Distinguished Graduate (98% grade point average or higher) Program will recognize outstanding achievement in all graduating courses throughout the year. The Distinguished Graduate Program may recognize up to, but not to exceed, 10 percent of a graduating course. Each selection is based on the whole-person concept rather than on academics or performance skills alone. All others not receiving the Distinguished Graduate award who score 95%-100% overall will graduate as Honor Graduates.

NOTE: PME courses will follow the USAF Air University's award guidelines.

Field Studies Program (FSP)

The FSP is a Congressionally mandated program designed to provide a balanced understanding of the US culture, society, and way of life to all foreign military trainees attending courses in the US. The Academy has a very active FSP. In addition, students can participate in cultural and educational events and visit several local and state government institutions.

Grievance Procedures

The Academy's student grievance procedures are as follows: If any student has a grievance while at IAAFA, they can contact the International Student Support (ISS) leadership to make a grievance at the address below. The International Military Student Officer (IMSO) will investigate the circumstances and report them to the Commandant. The student will be notified when the matter is resolved.

IAAFA/CCI

2431 Carswell Ave

JBSA-Lackland TX 78236-5609

DSN: 473-4406

Commercial: (210) 671-4406

Dependents Policy

Dependents are not authorized to accompany students at the academy unless approved on their International Travel Orders (ITO). If students with approved dependents identified on their ITO's choose to bring them, the student is responsible for allocating and funding off-base lodging accommodations. All students enrolled in an IAAFA course will reside on-base and lodge in single quarters, which are not designed for families. Additionally, long academic days and study requirements leave little available time for family matters. IAAFA will not alter training programs to meet the specific requirements of students with dependents. Students considering self funding and coordinating a spouse/dependent should also consider the variety of logistical problems they can expect to encounter prior to making that determination (i.e., ineligibility for a family to use on-base facilities, city size and transportation costs, dependent's inability to conduct daily business due to language differences, isolation, etc.).

Base Exchange (BX) Privileges

All students are authorized full privileges in the Base Exchange system. Except, students are not authorized to make purchases at Military Clothing Sales.

Civilian Clothing

Civilian clothing is authorized for all students outside of class hours, and is required during off-base trips and FSPs. Students may purchase additional civilian clothing at the local Base Exchange facilities. Recommend three (3) sets of civilian clothing of light to medium weight, year round. A sweater or light jacket is also recommended for spring (March - May) and autumn (September - November) months since the temperature can drop from the mid 80's °F (27° C) to the mid 40's °F (4° C) in a matter of hours. Heavier clothing is recommended for the winter months; though again, the temperature may reach well above 60° F (16° C) during the day, low norms for winter range between 30° F and 60° F (0° C and 16° C). Additionally, heavy rain may be expected during spring and autumn months.

Meals

Meals are provided for students at the Amigo Inn dining facility. All enlisted students that do not receive Temporary Living Allowance (TLA) through IAAFA must pay for their meals. All officer students, regardless of funding status, pay for their meals. All other students sign a cashier's log for daily meals and charges, which are reimbursed through the respective Foreign Military Sales (FMS), International Military Education and Training (IMET), International Narcotics and Law Enforcement (INL), or Section 333 channels. Students attending courses taught by security forces will need to make a one-time payment of approximately \$135-\$185 for SRT course and \$100-\$150 USD for the Ground Defense Leadership Course course to cover the cost of Meals-Ready-To-Eat (MRE) during their field training phases. Due to the requirement in advance for MREs, this amount will be collected at the beginning of the class. Students must be prepared for the cash outlay shortly after arrival. This is in addition to the funds referenced in the following paragraph.

Open-Bay Dormitories

IAAFA provides "free" dormitory space for students (Males and Females) E-4 and below. In order for a country to capitalize on the use of this dormitory space, a Country Liaison Officer (CLO) is required to accompany, reside, and supervise their students 24/7. Furthermore, the assigned CLO must be of the same gender as the students since they will live in the same quarters (open-bay dorms). NOTE: Before scheduling students, please check with the IAAFA IMSO office for availability of dormitory space.

Funds

Officers and enlisted personnel under IMET sponsorship will receive a living allowance to cover meals and incidental expenses as per DOD 5105.38M, Chapter 10, ***unless otherwise indicated by the International Travel Orders (ITO)***. SCO training officers must ensure all students know their pay, allowances, and obligations to the US government are due prior to their departure. IAW AFI 16-105, JSCET, International Military Students (IMS) should have sufficient funds to cover 30 days' minimum expenses, in their possession, upon entry into the US. First payment after arrival may take up to 4 weeks (holidays not included).

Baggage

Students are authorized a baggage allowance per DOD 5105.38M, Chapter 10, when travel is paid by IMET. Baggage must accompany the student. For portions of the travel funded by the host country, the baggage allowance is determined by the host country or current airline limits. ***IAAFA WILL NOT BE RESPONSIBLE FOR EXCESS BAGGAGE. In addition, IAAFA cannot store or mail any excess baggage left behind due to overweight violations.***

Firearms Policy

No students will be permitted to import or purchase firearms or ammunition while on an ITO from the USAF.

Smoking Policy

All work centers, billeting/lodging rooms, and most recreational facilities at JBSA-Lackland are smoke-free. Smoking is allowed in designated areas only.

Mail

Student mail should be addressed as follows:

Rank/Name of Student

PCS #2/IAAFA/Country

2220 Andrews Avenue, Unit 362800

JBSA-Lackland TX 78236-3628

Leave and Absence

Students desiring to take leave or drive back to their home countries upon completion of training must have authorization included in their ITOs. Students desiring to travel within the United States during their tenure in IAAFA, must be approved by the Commandant.

Medical Care

Students will receive medical care IAW JSCET, reimbursable through respective IMET, FMS, INL, or 10-04 channels. Eyeglasses are not provided. If a student wears a prescription, they should bring a second set in case they lose/break them. **IMPORTANT:** Please refer to the “General” section, Student Selection Requirements and Prerequisites, paragraph “a,” concerning the medical screening of students before attendance at IAAFA.

Insurance Policy

Students with a medical insurance policy will provide a copy to the International Student Support (ISS) element upon arrival at the academy. A copy of the policy is placed in their academy records to ensure prompt medical care is provided and billing is charged to their insurance provider.

Dental Care

Students will only receive **EMERGENCY treatment** dealing with extraction and the relief of pain in accordance with AFI 16-105.

Driving Privileges

Students wishing to drive should consult with the ISS element upon arrival at IAAFA, for inquiries regarding driving privileges and requirements while at the academy.

Applicable Directives and Manuals

DoDM 5105.38, Security Assistance Management Manual (SAMM)

AFI 16-103, Managing the Defense English Language Program

AFI 16-105, Joint Security Cooperation Education and Training (JSCET)

Education and Training Course Announcements, <https://usaf.dps.mil/teams/app10-etca/SitePages/home.aspx?isdlg=1> AETCI

36-2215, Training Administration

COURSES

Human Rights Understanding

All students receive Human Rights understanding and U.S. Commitment with respect to Human Rights in accordance with the JSCET during their attendance at IAAFA through the Field Studies Program or course material.

Course Design

- a. **First Level Courses.** Courses are designed for entry-level training in the respective career field and are designed to complement in-country training programs. They cover the fundamental skills and knowledge to enable the student to perform on the job under the supervision of an experienced individual. Graduates are semi-skilled and can progress to the fully-skilled level by undergoing on-the-job training.
- b. **Advanced Courses.** These courses are designed to train individuals in specific systems primarily at the specialist or supervisor level. **Note:** Students scheduled to attend these courses must have completed, as a minimum, a basic course in the related field or have at least two years of practical experience in the specialty, in addition to meeting all other prerequisites.

Course Numbers

IAAFA uses the AETC course numbering system which includes a 15-digit course number (e.g., L3AZR1234560SRA). This numbering system will be used throughout the catalog and to identify each course, except PME courses. The last letter in the course number identifies the revision of the course. The Military Articles and Services Listings (MASL) number will be used in the course number (ex. L3AZR**1234560**SRA). Use the MASL number in all communications between IAAFA and AFSAT.

Graduation Requirements

Students achieving a cumulative grade of 70% or above (80% for pilot courses) will have completed their respective courses successfully and will receive a diploma at a graduation ceremony. Those who do not achieve the minimum of 70% may be returned to their country with a letter of attendance and a letter explaining the failure, with recommendations for additional training. Students must attend the graduation banquet to receive a diploma.

Course Syllabus

If you are interested in more information related to the previous details you may contact the IAAFA Registrar at:

Sr. Ralph Sanchez
Registrar
210-671-5593 (ralph.sanchez.1@us.af.mil)





PROFESSIONAL MILITARY EDUCATION & LEADERSHIP



Aircraft Maintenance Officer Course

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141243) L3OZR1412430SRC	Aircraft Maintenance Officer Course	9 Weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course provides training for selected officers, or civilian equivalents, on managerial knowledge and skills needed to perform Aircraft Maintenance Officer duties at the operational level. Students obtain maintenance management skills to help them develop, prepare, execute, and sustain maintenance operations supporting the flying mission. The curriculum provides a comprehensive overview of roles and responsibilities throughout a maintenance organization, management techniques used in planning and executing aircraft generation, and the analysis and application of maintenance performance indicators. Additionally, this course covers Air Force Safety Programs, Risk Management (RM), Quality Assurance (QA), Continuous Process Improvement (CPI), Fundamentals of Leading a Maintenance Organization, Flying and Maintenance Scheduling, Sortie Production, and Aircraft Generation Planning and Execution. The course culminates with a maintenance operations simulation exercise. This allows students to apply academic knowledge in a dynamic, risk-free virtual environment. Leadership lessons are embedded into a doctrinal understanding of maintenance operations throughout the course.

2. Course Requirements:

2.1. Eligibility: This course is designed for officers in the grades of O-1 through O-6, police, or civilian equivalent. Basic maintenance knowledge is highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.

3. Other Information: Arriving students are encouraged to identify and understand general information related to a process issue within their maintenance organization. This information will be incorporated into a course activity pertaining to Continuous Process Improvement (CPI).



Aircraft Maintenance Superintendent Course

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141249) L3AAR1412490SRA	Aircraft Maintenance Superintendent Course	9 weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course is designed for experienced senior Noncommissioned Officers or civilian equivalents that perform supervisory and/or superintendent duties and assume a greater leadership role within a maintenance complex. Students increase their knowledge and understanding of maintenance operations while honing his/her military professionalism and increasing their ability to function as a senior maintenance supervisor and/or Maintenance Superintendent. The course instruction includes General Subjects, Operational Programs, USAF Technical Order, Aircraft Forms And Logistics Systems, On-The-Job Training (OJT), Personnel Management, Maintenance Organization Structure and Responsibilities, and Aircraft Generation.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members between the grades of E-5 through E-9, police or civilians equivalent, who are performing aircraft maintenance superintendent duties or that will perform aircraft maintenance superintendent duties immediately after attending this course.

2.2. Medical requirements:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Speech: Normal hearing and speech.

2.2.3. Physical: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.

Ground Defense Leadership Course

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D173056) L3AZR1730560SRB	Ground Defense Leadership Course	6 Weeks

STUDENT LOAD: MIN: 26 MAX: 44

1. Course Description: This course is designed for security forces personnel of any branch charged with protecting key resources to sustain air operations during peacetime or contingencies. Students learn effective means of operating in any environment to extend defense beyond the boundaries of their installations. Topics include troop leading procedures, warning/operations orders, defense command and control, weapons training, land navigation, tactical movement under direct fire, patrolling, and tactical vehicle deployment. They also participate in field training exercises, which will simulate patrol and urban defense. The course instruction includes Defender Leadership and Defender Skills operations.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-3, police, or civilian equivalent. Personnel not in a security forces or police specialty code may attend with prior coordination.

2.2. Physical/Medical: Top physical condition, NO injuries that could prevent member from training. Specific minimum physical ability standards are shown below in paragraph 2.2.3.

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements. All required specialized gear will be provided.

NOTE: It is imperative to consider the student's ability to meet minimum physical fitness standards as it represents their ability to safely and effectively complete the course. Country managers must ensure selected attendees are evaluated on their physical condition and meet listed standards prior to course attendance."



Inter-American Airman Leadership Course (I-ALC)

COURSE NUMBER	COURSE NAME	LENGTH
MASL D171055 (E-IMET)	International Airman Leadership Course (I-ALC)	8 Weeks
MASL D319055		6 Weeks (MTT)

STUDENT LOAD: MIN: 12 MAX: 28

1. Course Description: The International Airman Leadership Course (I-ALC) curriculum reflects the course dictated in the Airman Leadership School of the USAF. It is designed so that Airmen can assume supervisory positions with complex leadership and administration responsibilities. In addition, Airmen will be able to adapt quickly to the transformations of the USAF and the continuous changes in the environment. This a foundational building course in the Enlisted Military Professional Training course catalog. Since the Barnes' Center for Enlisted Education (BCEE) prepares the study plan, it provides sufficient supervisory and guidance tools to perform positions that require efficient leadership. Additionally, the students learn skills in critical thinking, problem-solving training, teamwork, feedback sessions, time management, stress management, and how to make public presentations. Students implement quality concepts in the area of work and apply the concepts of human behavior to positively influence the person with whom it relates to achieving the mission more efficiently and effectively.

2. Course Requirements:

2.1. Eligibility: This course is designed for airmen in the ranks of Senior Airman (E-4) through Staff Sergeant (E-5) for US and E-4 through E-5 for non-USAF students with 7 - 10 years time-in-service (TIS). Graduates of USAF ALS (MASL ZZ41007) are not eligible to attend. Civilian equivalents may attend with prior coordination. USAF students must have a Defense Language Proficiency Test (DLPT) score of 2+/2+ and an Oral Proficiency Interview (OPI) score of 2+ (OPI can be waived with PME cadre interview to assess Spanish).

2.2 Physical/Medical

2.2.1 Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Students are expected to be in good physical condition and must meet the minimum requirements to develop physical conditioning activities according to the standards of their country and minimum USAF standards for the 1.5 mile run, push-up, and sit-up components of the USAF fitness assessment as outlined in DAFMAN 36-2905, *Department of the Air Force Physical Fitness Program*. Sit-ups and push-ups are based on the "correct" performance in the USAF 1-minute physical fitness exam events.

2.2.4. Please refer to DAFMAN 36-2905, *Department of the Air Force Physical Fitness Program*, for general information regarding the individual fitness training for the Physical Fitness Assessment (PFA) requirements and the USAF Fitness Assessment Scoring chart.

https://static.e-publishing.af.mil/production/1/af_a1/publication/dafman36-2905/dafman36-2905.pdf

<https://www.afpc.af.mil/Portals/70/documents/FITNESS/5%20Year%20Chart%20Scoring%20Including%20Optional%20Component%20Standards%20-%2020211111%200219.pdf>

2.3. Uniform/Equipment: See General Clothing Requirements in General Information section. USAF NCOs must bring their Service dress. Mess dress is optional but highly encouraged. All students must bring at least two sets of their respective camouflage uniform and students with a flight uniform must bring at least one set.

3. Other Information: Knowledge of programs like Microsoft Word, PowerPoint, and Internet Explorer is required. Students are required to write a country presentation; therefore, it is a requirement to bring a notebook/laptop and support material preferably in electronic form (i.e. maps, history, tourism, current events).



Inter-American Noncommissioned Officer Course (I-NCOC)

COURSE NUMBER	COURSE NAME	LENGTH
MASL D171033 (E-IMET)	Inter-American Noncommissioned Officer Course (I-NCOC)	8 Weeks
Mobile Course MASL: D319063		6 Weeks

STUDENT LOAD: MIN: 12 MAX: 28

1. Course Description: This course is equivalent to the USAF Noncommissioned Officers Academy (NCOA), which prepares Noncommissioned Officers (NCOs) for advanced leadership and management responsibilities. The next level of Professional Military Education (PME) is designed for those assuming senior NCO leadership positions. This course is the most essential PME training offered to an NCO. It provides the administrative tools to function in situations that require effective leadership. The curriculum is developed by the Barnes Center for Enlisted PME under the USAF Air University guidelines. Instructions are directed and focused on developing leadership skills. The course is divided into four modules: Leadership, Culture, Problem Solving, and Mission. This course is designed to help graduates develop vital skills in critical thinking, problem-solving, training and teamwork, feedback sessions, time and stress management, and public speaking. In addition, implementing quality concepts in the work area influences human behavior to persuade personnel to carry out the mission positively.

2. Course Requirements:

2.1. Eligibility: Airmen in the ranks of Technical Sergeant (E-6) for US and E-6 or E-7 for non-USAF students with more than 10 years TIS and a maximum of 19 years TIS that successfully completed MASL D171055. Graduates of USAF ALS (MASL ZZ41007) are not eligible to attend. Civilian equivalents may attend with prior coordination. Familiarization with Microsoft Internet Explorer, Microsoft Word, and PowerPoint and Excel programs is highly recommended. USAF students must have a Defense Language Proficiency Test (DLPT) score of 2+/2+ and an Oral Proficiency Interview (OPI) score of 2+ (OPI can be waived with PME cadre interview to assess Spanish).

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Students are expected to be in good physical condition and must meet the minimum requirements to develop physical conditioning activities according to the standards of their country and minimum USAF standards for the 1.5 mile run, push-up, and sit-up components of the USAF fitness assessment as outlined in DAFMAN 36-2905, *Department of the Air Force Physical Fitness Program*. Sit-ups and push-ups are based on the “correct” performance in the USAF 1-minute physical fitness exam events.

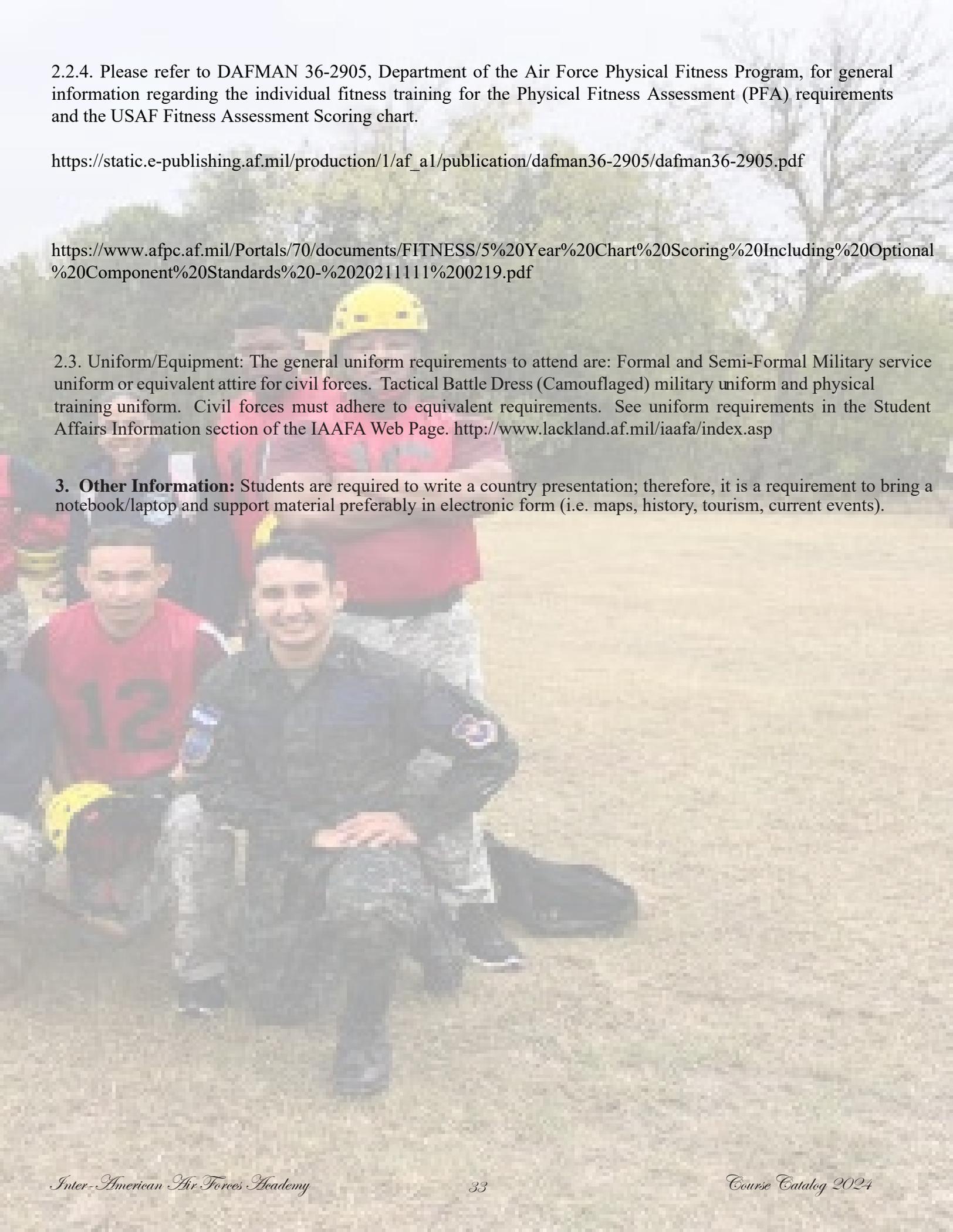
2.2.4. Please refer to DAFMAN 36-2905, Department of the Air Force Physical Fitness Program, for general information regarding the individual fitness training for the Physical Fitness Assessment (PFA) requirements and the USAF Fitness Assessment Scoring chart.

https://static.e-publishing.af.mil/production/1/af_a1/publication/dafman36-2905/dafman36-2905.pdf

<https://www.afpc.af.mil/Portals/70/documents/FITNESS/5%20Year%20Chart%20Scoring%20Including%20Optional%20Component%20Standards%20-%2020211111%20219.pdf>

2.3. Uniform/Equipment: The general uniform requirements to attend are: Formal and Semi-Formal Military service uniform or equivalent attire for civil forces. Tactical Battle Dress (Camouflaged) military uniform and physical training uniform. Civil forces must adhere to equivalent requirements. See uniform requirements in the Student Affairs Information section of the IAAFA Web Page. <http://www.lackland.af.mil/iaafa/index.asp>

3. Other Information: Students are required to write a country presentation; therefore, it is a requirement to bring a notebook/laptop and support material preferably in electronic form (i.e. maps, history, tourism, current events).



Inter-American Senior Non-Commissioned Officer Course (I-SNCOC)

COURSE NUMBER	COURSE NAME	LENGTH
MASL D171058	Inter-American Senior Noncommissioned Officer Course (I-SNCOC)	8 Weeks
Mobile Course MASL: D319029		6 Weeks

STUDENT LOAD: MIN: 12 MAX: 28

1. **Course Description:** This course is the Inter-American Senior Noncommissioned Officer Course (I-SNCOC) course which prepares future SNCO's for more advanced leadership and management responsibilities. It is an advanced level of Professional Military Education (PME) designed for those assuming SNCO leadership positions, and prepare Senior NCOs to lead the enlisted force in the employment of airpower in support of National Security objectives. The Barnes Center develops the curriculum for the Enlisted PME under the USAF Air University guidelines. It also prepares SNCOs for increased leadership responsibilities in the joint, combined, and interagency operating/strategic environment. Specifically, Air Force SNCOA educates SNCOs to help them become adaptable, critically thinking, and strategically relevant leader in their operating environment. Graduates will learn how to effectively lead the enlisted force, effectively communicate rank-appropriate tasks, and model and develop military attributes.

2. Course Requirements:

2.1. **Eligibility:** Airmen in the ranks of Master Sergeant (E-7) through Senior Master Sergeant (E-8) for U.S. and E-7 through E-9 for non USAF students with less than 20 TIS. Graduates of USAF SNCOA are not eligible to attend. (Note: Must have successfully completed MASL D171033) Civilian equivalents may attend with prior coordination. Familiarization with Microsoft Internet Explorer, Microsoft Word, and PowerPoint and Excel programs is highly recommended. USAF students must have a Defense Language Proficiency Test (DLPT) score of 2+/2+ and an Oral Proficiency Interview (OPI) score of 2+ (OPI can be waived with PME cadre interview to assess Spanish).

2.2. Physical/Medical:

2.2.1. **Vision:** Normal (20/20 with or without glasses).

2.2.2. **Hearing/Speech:** Normal hearing and speech.

2.2.3. **Physical/Other:** Students are expected to be in good physical condition and must meet the minimum requirements to develop physical conditioning activities according to the standards of their country and minimum USAF standards for the 1.5 mile run, push-up, and sit-up components of the USAF fitness assessment as outlined in DAFMAN 36-2905, *Department of the Air Force Physical Fitness Program*. Sit-ups and push-ups are based on the "correct" performance in the USAF 1-minute physical fitness exam events.

2.2.4. Please refer to DAFMAN 36-2905, *Department of the Air Force Physical Fitness Program*, for general information regarding the individual fitness training for the Physical Fitness Assessment (PFA) requirements and the USAF Fitness Assessment Scoring chart.

https://static.e-publishing.af.mil/production/1/af_a1/publication/dafman36-2905/dafman36-2905.pdf

<https://www.afpc.af.mil/Portals/70/documents/FITNESS/5%20Year%20Chart%20Scoring%20Including%20Optional%20Component%20Standards%20-%2020211111%200219.pdf>

2.3. Uniform/Equipment: The general uniform requirements to attend are: Formal and Semi-Formal Military service uniform or equivalent attire for civil forces. Tactical Battle Dress (Camouflaged) military uniform and physical training uniform. Civil forces must adhere to equivalent requirements. See uniform requirements in the Student Affairs Information section of the IAAFA Web Page. <http://www.lackland.af.mil/iaafa/index.asp>

3. Other Information: Students are required to write a country presentation; therefore, it is a requirement to bring a notebook/laptop and support material preferably in electronic form (i.e. maps, history, tourism, current events).

Inter-American Squadron Officer Course (I-SOC)

COURSE NUMBER	COURSE NAME	LENGTH
MASL D171032 (E-IMET)	Inter-American Squadron Officer Course (I-SOC)	8 Weeks
Mobile Course MASL: D319064		6 Weeks (MTT)

STUDENT LOAD: MIN: 18 MAX: 28

1. Course Description: The Inter-American Squadron Officer Course (I-SOC) in-residence program is an 8-week educational experience for USAF captains and International Officers in the grade of O-3. The curriculum is developed by the Squadron Officer School under USAF Air University guidelines. The purpose of the program is to help develop solution-minded, bold, and courageous Airmen ready to overcome today and tomorrow’s challenges. In order to accomplish this task, the course is structured around four primary areas (1) leadership, (2) building highly effective teams, (3) logical and ethical reasoning in decision making, and (4) multi-domain joint warfare areas. Students engage in classroom and hands-on application events that will challenge their individual leadership awareness, foster innovative thinking, provide effective methods for conflict resolution, and collaboratively solve problems.

2. Course Requirements:

2.1. Eligibility: This course is designed for officers in the grade of O-3 or equivalent, as well as civilians equivalent to the Department of Defense grade of GS-9 and above (consult MILGROU for grade equivalency). Graduates of in-residence Squadron Officer School, Maxwell AFB, AL (MASL D171003) are not eligible to attend. Students must have basic computer knowledge in order to accomplish writing and briefing assignments, as well as electronic readings related to curriculum.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity is required for field team building and leadership activities. Students will be expected to be in good physical condition and able to perform 3-mile runs, sit-ups, and push-ups and meet standards for these components as outlined in DAFMAN 36-2905, *Department of the Air Force Physical Fitness Program*. Sit-up and push-up standards are based on “good” performance in the 1-minute Air Force physical fitness test events.

2.2.4. Please refer to DAFMAN 36-2905, Department of the Air Force Physical Fitness Program, for general information regarding the individual fitness training for the Physical Fitness Assessment (PFA) requirements and the USAF Fitness Assessment Scoring chart.

https://static.e-publishing.af.mil/production/1/af_a1/publication/dafman36-2905/dafman36-2905.pdf

<https://www.afpc.af.mil/Portals/70/documents/FITNESS/5%20Year%20Chart%20Scoring%20Including%20Optional%20Component%20Standards%20-%2020211111%200219.pdf>

2.5. U.S. Students MUST have a current and passing PT Test WITH NO EXEMPTIONS on file in AF Fitness Management System (AFFMSII) that lasts through your graduation date. Under no circumstances will ANY students be under a medical profile or medical condition that prevents them from participating in daily physical activities. Failure to do so will result in disenrollment of I-SOC and the student will be sent back to home station or country of origin.

2.6. Uniform/Equipment: See General Clothing Requirements. Students bring their own running shoes. USAF officers must bring their Service and Mess dress. All students must bring at least two sets of their respective camouflage uniform and students with a flight uniform must bring at least one set.

3. Other Information: Knowledge of programs like Microsoft Word, PowerPoint, and Internet Explorer is required. Students are required to write a country presentation; therefore, it is a requirement to bring a notebook/laptop and support material preferably in electronic form (i.e. maps, history, tourism, current events). It is MANDATORY to bring a laptop.

NOTE: This course was previously called Inter-American Officer's School.





AIRCREW TRAINING

Instructor Pilot Instrument Procedures

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D121065)	Instructor Pilot Instrument	11 Weeks
L3OZR1210650SRB	Procedures	

STUDENT LOAD: MIN: 6 MAX: 10

1. Course Description: Prepares previously qualified pilots to fly aircraft under Instrumental Meteorological Conditions (IMC), according to the Instrument Flight Rules (IFR) of the Federal Aviation Administration (FAA) and the International Civil Aviation Organization (ICAO). Students learn instrument flight fundamentals, advanced navigation procedures and how to manage irregular situations in IMC utilizing fixed-wing simulators. Advanced instrument flight instruction includes flight planning, precision handling and maneuvering of the aircraft, and using modern navigation instruments to complete flight objectives. Students also learn how to safely execute departure procedures, en-route flight, arrivals and instrument approaches in controlled and uncontrolled airspaces. The course objectives include important flight scenarios like missed approaches, holding, communication failures, navigational equipment failures and adverse weather conditions. The culmination of the course is the study of Performance-Based Navigation (PBN), in which ICAO member countries adjust national regulations to reflect new technologies in an effort to optimize air and space operations. PBN training includes flight by Area Navigation (RNAV) and Required Navigation Performance (RNP) procedures, using Global Satellite Navigation Systems (GNSS) and its different Augmentation Systems. Students will plan and execute training sorties throughout the country on federal airways utilizing a fixed-wing (B-200) flight simulator. Students complete a flight with an evaluator to ensure they are fully qualified for operations under instrument conditions.

This instructor course also covers instructional methods, flight evaluation, supervision of classroom instruction, and the standardization cadre development, lesson plans and student evaluation.

2. Course Requirements:

2.1. Eligibility: This course is designed for grades of O-1 through O-6, police or civilian equivalent. Students must be current and qualified pilots in their primary aircraft, have flown within the 6 months preceding attendance, and have a minimum of 500 hours as an aircraft commander/pilot in command of fixed wing aircraft. The candidate must have a minimum of 200 hours of flight under instrument flight rules. The candidate must have completed instructor qualification training prior to attendance.

2.2. Training: Students should have already completed an introductory course to instruments and have experience flying under Instrument Flight Rules (IFR).

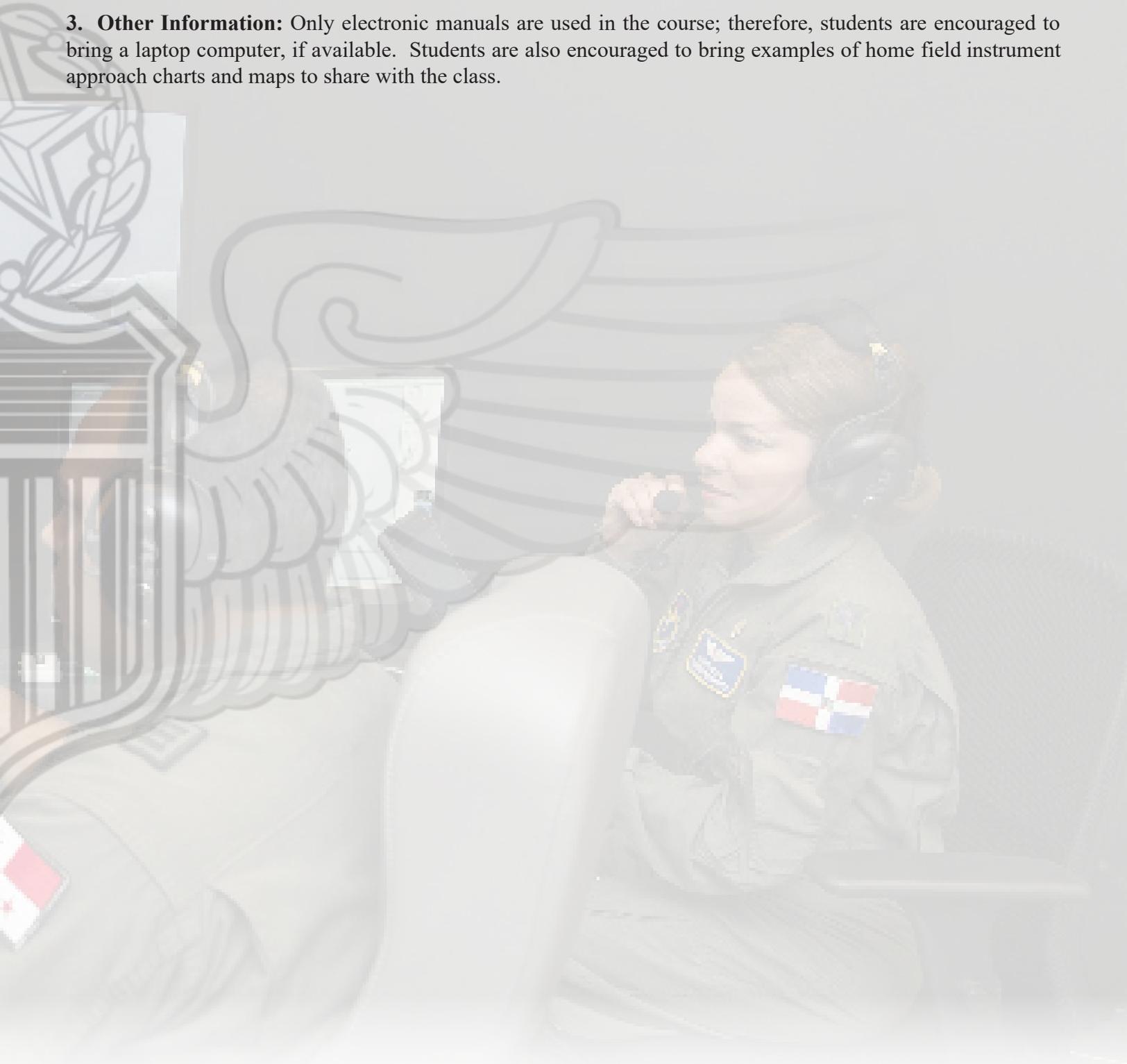
2.3. Physical/Medical:

2.3.1. Vision: Normal (20/20 with or without glasses).

2.3.2. Hearing/Speech: No hearing or speech impediments.

2.4. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements, students are encouraged to bring flight suits and flight boots.

3. Other Information: Only electronic manuals are used in the course; therefore, students are encouraged to bring a laptop computer, if available. Students are also encouraged to bring examples of home field instrument approach charts and maps to share with the class.



Pilot Instrument Procedures

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D121064)	Pilot Instrument Procedures	11 Weeks
L3OZR1210640SRB		

STUDENT LOAD: MIN: 6 MAX: 10

1. Course Description: Prepares previously qualified pilots to fly aircraft under Instrumental Meteorological Conditions (IMC), according to the Instrument Flight Rules (IFR) of the Federal Aviation Administration (FAA) and the International Civil Aviation Organization (ICAO). Students learn instrument flight fundamentals, advanced navigation procedures and how to manage irregular situations in IMC utilizing fixed-wing simulators. Advanced instrument flight instruction includes flight planning, precision handling and maneuvering of the aircraft, and using modern navigation instruments to complete flight objectives. Students also learn how to safely execute departure procedures, en-route flight, arrivals and instrument approaches in controlled and uncontrolled airspaces. The course objectives include important flight scenarios like missed approaches, holding, communication failures, navigational equipment failures and adverse weather conditions. The culmination of the course is the study of Performance-Based Navigation (PBN), in which ICAO member countries adjust national regulations to reflect new technologies in an effort to optimize air and space operations. PBN training includes flight by Area Navigation (RNAV) and Required Navigation Performance (RNP) procedures, using Global Satellite Navigation Systems (GNSS) and its different Augmentation Systems. Students will plan and execute training sorties throughout the country on federal airways utilizing a fixed-wing (B-200) flight simulator. Students will be evaluated to ensure they are fully qualified for operations under instrument conditions.

2. Course Requirements:

2.1. Eligibility: This course is designed for grades of O-1 through O-6, police or civilian equivalent. Students must be current and qualified pilots in their primary aircraft, have flown within the 6 months preceding attendance, and have a minimum of 200 hours of fixed wing experience after their formal flying course. The candidate must have a minimum of 20 hours of flight under instrument flight rules.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: No hearing or speech impediments.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements, students are encouraged to bring flight suits and flight boots.

3. **Other Information:** Only electronic manuals are used in the course; therefore, students are encouraged to bring a laptop computer, if available. Students are also encouraged to bring examples of home field instrument approach charts and maps to share with the class.



Search and Rescue Planning

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D121066)	Search and Rescue Planning	4 Weeks
L30ZR1210660SRB	(SARP)	

STUDENT LOAD: MIN: 6 MAX: 11

1. Course Description: This course introduces Search and Rescue Planning (SARP) procedures and Rescue Coordination Center (RCC). It is designed for enlisted and officer members who perform in the capacity of SARP coordination or related duties. This course teaches students how to organize and plan the Search and Rescue (SAR) coordination center and mission planning. Class sessions include scenario executions that provide the student with practical experience in a simulated SAR environment. The course instruction includes Introduction, Mission Process, and Search and Rescue Planning. The instructional design for this course is group paced.

2. Course Requirements:

2.1. Eligibility: This course is designed for all officers, enlisted, and/or civilians that perform or plan to perform SAR planning related duties.

2.1.1. A basic understanding of the English language is highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: No hearing or speech impediments.

2.2.3. Physical: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.







TECHNICAL TRAINING



Advanced Aerospace Propulsion

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141156) L3AAR1411560SRA	Advanced Aerospace Propulsion	6 Weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course is designed to provide maintenance technicians with engine operational theory and hands-on maintenance training in order to establish a solid journeyman foundation. Students learn to evaluate conditions and make proper repair decisions of propulsion systems and subsystems using different engine platforms. They are required to pass written and performance tests at the end of each block prior to advancement to the next block of instruction. The course instruction includes Aerospace Propulsion Fundamentals, Engine Operation, Engine Systems, Turbine, and Propulsion Devices.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent who have completed an apprentice-level propulsion course or have propulsion maintenance experience.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.2.4. Physical ability to lift 25+ lbs.

2.3. Uniform/Equipment: See General Clothing Requirements.

Advanced Fixed Wing Aircraft Maintenance

COURSE NUMBER	COURSE NAME	LENGTH
MASL D141259	Advanced Fixed Wing Aircraft Maintenance	7 Weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course is designed to train aircraft maintenance technicians advanced operational principles, theory, and troubleshooting for aircraft systems and subsystems, component operation, aircraft ground handling, inspection, servicing procedures, and operation of aerospace ground equipment for light and heavy aircraft (fighters, attack, trainer and cargo). Students must successfully complete a written test or performance evaluation at the end of block I and block V prior to advancement to the next block of instruction. The course instruction includes information regarding Rigging & Troubleshooting of systems, Flight Control System, Weight and balance, Supervisor Ground handling, Landing Gear maintenance, Engine Inspection, and Operations.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent who have completed an apprentice-level aircraft maintenance course or have basic fixed wing aircraft maintenance experience.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements





Helicopter Crew Chief

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141257) L3AZR1412570SRB	Helicopter Crew Chief	10 weeks

STUDENT LOAD: MIN: 5 MAX: 10

1. Course Description: This course is designed for personnel working as a helicopter maintenance technician. Students will be introduced to helicopter maintenance and practices, performed in a classroom and flightline setting. Students learn an array of objectives including ground safety, technical manuals, aircraft documentation, airframe familiarization, special and common tools, general helicopter systems (Hydraulics, Electrics, Fuel, Instruments, Avionics, T-53 Engine, Flight Controls, and Drive Train) as well as helicopter aerodynamics. The course also includes removal/installation of major components (i.e Power Plant, Rotor System, Transmission Systems, Drive Train) additionally, helicopter specific procedures such as flight control rigging and vibration analyses.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity

2.3. Uniform/Equipment: See General Clothing Requirements. All specialized uniforms will be provided.



Advanced Helicopter Crew Chief

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141089) L3AAR1410890SRA	Advanced Helicopter Crew Chief	7 weeks

STUDENT LOAD: MIN: 4 MAX: 8

1. Course Description: This course is designed for experienced helicopter maintainers looking to gain knowledge on the UH-1H/Bell 205, and UH-1N/Bell 212 helicopters. Students will receive familiarization of U.S. Air Force ground safety practices as well as receive training on landing gear, hydraulic, fuel, electrical, flight controls and drive train systems. This course includes the T53-L-13B, T400 (PT6) Twin Pack and operation as it applies to the specific helicopter airframe. Students will accomplish engine to transmission alignment, rig flight and engine controls, UH-1 main rotor hub disassembly/ reassembly. This course also includes an introduction to vibrations analysis with hands-on use of the Chadwick 8500 and Vibrex 2000 vibration analyzers. Last, an introduction to weight and balance will be accomplished with the result of weighing a helicopter and determining its center of gravity.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent who have completed the helicopter crew chief course (MASL 141257) or equivalent or have one year of practical experience on any rotary wing aircraft.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements. All specialized uniforms will be provided.

Aircraft Structural Maintenance Technician

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141396)	Aircraft Structural Maintenance	10 Weeks
L3AZR1413960SRB	Technician	

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course is designed for international commissioned and Noncommissioned officers that perform duties as an aircraft structural maintenance technician. The students learn the fundamentals of aircraft parts fabrication, damage identification, structural repairs, hydraulic tube assembly fabrication, common and special fastener installation and removal. The fundamental objectives covered include in-shop and flight-line hazards, composite tool kit inventory (CTK) and lost tool procedures, metal identification, shop mathematics, setback and bend allowance. Furthermore, practical examinations are administered on flat pattern layout, metal layout, cutting, bending, hand and machine forming, structural damage identification, non-flush and combination repairs. Additionally, areas of training focus on advanced composite, vacuum bagging, hot bonder programming and repairs. The course instruction includes Fundamentals, Fabrication of Aircraft Parts, Preparation of Aircraft Structural Assembly, Aircraft Structural Repairs and Composite Repair Theory.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent.

2.2. Physical/Medical

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing.

2.2.3. Physical/Other: Normal manual dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements. All specialized gear will be provided.



Avionics Communication Navigation Technician

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D133060) L3AQR1330600SRC	Avionics Communication/Navigation Technician	10 Weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This specialized course provides training on inspection, troubleshooting, and replacement of Avionics Communication/Navigation equipment utilized in in-flight line operations. Students learn systems theory, hands-on training on major system components, and operational checkouts on different aircraft types. This provides an in-depth understanding of the Communication/Navigation components, system functions, and all associated systems. All acquired knowledge and experience will aid them throughout their entire career. All students must pass a written exam and/or performance test at the end of each block, strengthening their foundation as Communication/Navigation specialists. The Communication/Navigation course curriculum includes General Maintenance Practices, Soldering, Inter-phone Systems, Radio Frequency Fundamentals, Communication Radios, Automatic Direction Finder (ADF) System, VHF Omni-Range/Instrument Landing System/Marker Beacon (VOR/ILS/MB) System, Global Positioning System (GPS), Combined Altitude Radar Altimeter (CARA) System.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements. Nonconductive plastic frames for eyeglasses are mandatory for students who wear glasses. All specialized gear is provided.





Avionics Instrument Technician

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141253) L3AQR1412530SRB	Avionics Instrument Technician	10 Weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course is designed to take students through all phases of various avionics instrument and flight control systems. Students learn identification and relationship of associated systems. They are able to state principles and facts for all systems and associated systems, and have in-depth understanding needed to work these systems throughout their careers. They are required to pass a written and/or performance test at the end of certain blocks prior to advancement to the next block of instruction. The course instruction includes Maintenance Concepts, General Wire Maintenance, Quantity Indicating Systems, Barometric Flight Instruments, Engine Instrument Systems, Integrated Flight Instruments Systems, Compass Systems, and Advanced Systems.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members of all branches, law enforcement agencies no higher than the grade of O-4, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses with non-conductive material).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements. Nonconductive plastic frames for eyeglasses are mandatory for students who wear glasses. All specialized gear is provided.



International Basic Instructor Course

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D166041) L3AZR1660410SRC	International Basic Instructor Course	5 Weeks

STUDENT LOAD: MIN: 6 MAX: 14

1. Course Description: This course is designed for officers, NCOs, and civilians supporting technical training missions. Students learn US Air Force technical training concepts and techniques to deliver quality instruction. They receive training on how to conduct classroom instruction, perform student counseling, as well as how to develop course curriculum. This course also includes extensive practical exercises to improve the student's presentation skills. The course consists of the following blocks of instruction: Fundamentals of Instruction, Instructional Development, and Presentations.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members between the grades of E-3 and O-5, police, or civilian equivalent with at least one year of advanced technical area knowledge or experience within their respective specialty or field.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.

3. Other Information: Familiarization with Microsoft Word, Excel, and a basic understanding of PowerPoint utilization in order to complete the practical exercises successfully. Students are encouraged to bring examples of existing lesson plans to share in class.

NOTE: This course was previously called Technical Training Instructor.

Basic Aerospace Propulsion

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141162) L3AAR1411620SRA	Basic Aerospace Propulsion	6 Weeks

STUDENT LOAD: MIN: 4 MAX: 12

1. Course Description: This course is designed to provide students with basic propulsion operational theory and maintenance training to establish a solid apprentice foundation. Students learn to identify and understand basic principles of propulsion systems and subsystems. They are required to pass written and performance tests at the end of each blocks prior to advancement to the next block of instruction. The course instruction includes Fundamentals, Principles of Engine Operation, Basic Engine Systems and Propulsion Systems.

2. Course Requirements.

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.2.4. Physical ability to lift 25+ lbs.

2.3. Uniform/Equipment: See General Clothing Requirements.



Corrosion Control Technician

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D141282) L3AZR1412820SRC	Corrosion Control Technician	5 Weeks

STUDENT LOAD: MIN: 4 MAX: 8

1. Course Description: This course is designed to train maintenance personnel in the fundamentals of corrosion control. Students learn procedural requirements for the detection, prevention, and treatment of corrosion on aircraft and equipment. They receive training in cleaning and inspecting aerospace equipment for corrosion, removal of corrosion by mechanical and chemical treatment, manufacture and application of aerospace markings, mixture and application of organic coatings, and cleaning and storage of spray equipment. The course instruction includes Fundamentals, Corrosion Control, and Application of Coatings.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-4, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal manual dexterity. Students must not have any physical or medical condition that would prevent the wearing of a full-face respirator.

2.3. Uniform/Equipment: See General Clothing Requirements. All specialized gear will be issued.





Defense Cyber Operations

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D179113) L3AZR1791130SRA	Defense Cyber Operations	6 Weeks

STUDENT LOAD: MIN: 4 MAX: 10

1. Course Description: This course is designed for students to develop basic operational cyber defense skills and knowledge. Graduates will gain the essential skills to build a solid security foundation, analyze network captures containing real, malicious network traffic, learn the foundations of security and defending architectures from attack, and look at Mission Defense Team areas and how planning is an important piece to their mission. Students will build solid knowledge on the lowest layers of the network. They will learn essential UNIX and Linux survival commands. They will be introduced to vulnerability assessment and the hacking methodology. Through virtual lab exercises they will look at the concept of “thinking like a hacker” to learn techniques to defend from the types of attacks that are commonly conducted against IT networks through powerful methods to analyze the risks. Labs will include examining packet captures from actual intrusions and dive deeper into how attackers operate. Students will learn the details of protocols such as SMB and SSH, by examining network traffic captures in Wireshark, then will proceed to build network packets “by hand” in order to tunnel secret data in regular traffic. Students will learn the details of payload attacks commonly used by attackers and how to take requirements from a Cyber Crew Lead and build filters/ visualizations to scope both network traffic and host events. Techniques for scoping will include least frequency analysis of IPs/domains, ports, protocols, data transmission, running processes, services, hostname, drivers, accounts, auto-start and event logs. Finally, students will focus on how to use the techniques learned to detect adversary actions to include discovery scans, URL of malicious web download, remote command and control, lateral movement, persistence, data exfiltration, malicious process/executable, and malicious credential usage. Students will also be taught to build a customized visualization dashboard to show these indicators of compromise. The course instruction includes cyber fundamentals, essential defense tactics, and types of attacks, forensic tools, detection tools, hardening, security analysis, and tactical cyber planning.

2. Course Requirements:

2.1. Eligibility: This course is designed for Military Officers, Enlisted, and National Police in the grade of E4 - O5, or civilian equivalent who work with information technology systems. A thorough understanding of Windows & Unix is highly desirable, and three to five years of cyber security experience is required for this course.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.

3. Other Information: Students are encouraged to support course objectives with their previous experience.

Fundamentals of Networks and Cyber Security

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D179108) L3AZR1791080SRA	Fundamentals of Networks and Cyber Security	5 Weeks

STUDENT LOAD: MIN: 4 MAX: 10

1. Course Description: This course is designed for students to develop basic network and cyber security skills and knowledge. Graduates will learn to identify Information Technology hardware, software and applications, databases, and network security principles. They will also learn network operational concepts, router and switch operations, and wireless networking. Students will receive training on logical and physical security, emergency measures, and how to establish policy, procedures, and necessary system tests or trials. The course will focus on how to create training programs for users and foster user security consciousness to ensure system integrity and improve server and network efficiency. Hands-on virtual network scenarios will teach students to supervise data use and regulate access in order to safeguard file information. The course will culminate in a joint training field exercise where students will demonstrate their course knowledge to establish and maintain communications during an operation. The course instruction includes Network Fundamentals, Network Operations, Protection and Configuration, Wireless Networks and Security, Server Infrastructure and Services, Calculating the Risk, Infrastructure and Connectivity, Threats and Vulnerabilities, Identify Access Control Protocols, Educating and Protecting the User, Operating System and Application of Security, Security-related Directives and Procedures.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-5, police, or civilian equivalent who work with information technology systems. Basic personal computer and Information Technology (IT) term knowledge is highly desirable, but not required.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.

3. Other Information: Students are encouraged to support course objectives with their previous experience.

Intelligence, Surveillance, and Reconnaissance Fundamentals

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D172023) L3AQR1720230SRB	Intelligence, Surveillance, and Reconnaissance (ISR) Fundamentals	4 Weeks

STUDENT LOAD: MIN: 6 MAX: 12

1. Course Description: This course is designed for Officers, Enlisted, National Police, and Civilian equivalent performing intelligence-related activities. The course provides students with an understanding of the intelligence community, analysis cycle, doctrine, intelligence disciplines, collection management requirements, tasking processes, and targeting fundamentals. Intelligence personnel will develop their critical thinking skills and challenge their biases through the creation of intelligence products, dynamic classroom instruction, and practical exercises where students apply lessons learned throughout the course. Students will prepare and present multiple briefings about threats, current events, platform capabilities, and Intelligence Preparation of the Operational Environment. The course will culminate in a joint field training exercise. Here, students will exert their course knowledge by rapidly collecting, analyzing, and disseminating intelligence to inform decision-makers and tactical operations.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-6, police, or civilian equivalent. Attendees should be assigned to an intelligence unit position or have an additional duty of Intelligence Officer NCO, or equivalent. Basic computer skills, particularly Microsoft PowerPoint, are highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.

3. Other Information: Students are encouraged to be prepared to discuss intelligence related situations from their countries with the class.

NOTE: This course was previously called Introductory Air Intelligence.



International Logistics

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D152054) L3AZR1520540SRC	International Logistics	5 Weeks

STUDENT LOAD: MIN: 8 MAX: 16

1. Course Description: The International Logistics course prepares students to provide logistical support to their units. This course is designed for officers, NCOs and/or civilian personnel assigned to, or projected for assignment to logistic management leadership positions. Also, this course provides the foundation to understand the Foreign Military Sales (FMS) process and how it works parallel to the US government and DoD structure. The course includes the following blocks of instruction: Introduction to Logistics, Materiel Management Publications, Security Assistance and Security Cooperation, and Foreign Military Sales (FMS)

2. Course Requirements:

2.1. Eligibility: This course is designed for officers in the grades of O-1 through O-6, enlisted personnel in the grades of E-6 through E-9, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal manual dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements.





Materiel Management

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D152055) L3AZR1520550SRC	Materiel Management	5 Weeks

STUDENT LOAD: MIN: 6 MAX: 16

1. Course Description: This course is designed for officers, NCOs, Airmen, and/or civilian personnel working in base supply or supply-related functions to prepare supply specialist and first line supervisors to assume entry-level supply responsibilities. Students learn how to set up a warehouse and how to operate materiel handling equipment, to include training on forklift safety. The course instruction includes Fundamentals, Materiel Management, Warehouse Operations, and Inventory Management.

2. Course Requirements:

2.1. Eligibility: This course is designed for newly commissioned officers in the grade of O-1 through O-4, enlisted personnel in the grade of E-1 through E-6, police, or civilian equivalent who perform, or will perform, inventory management and warehouse functions.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Speech: No hearing or speech impediments.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements. All specialized equipment will be provided.

NOTE: This course was previously called Supply Administration.

Special Reaction Team

COURSE NUMBER	COURSE NAME	LENGTH
(MASL D173067) L3AZR1730670SRB	Special Reaction Team (SRT)	6 Weeks

STUDENT LOAD: MIN: 12 MAX: 25

1. Course Description: This course is designed for mid-level security forces members of any branch charged with managing high-risk situations. Students will learn SRT tactics to include how to respond to high risk incidents and familiarization with two different weapons systems while focusing on safety and proper weapon handling techniques. They also learn breaching techniques, vehicle and aircraft assault interdiction techniques, and “active-shooter” response procedures. This training enables members to support the war against terror as well as counter-narcotics operation, peacekeeping efforts, and natural disaster response. The course instruction includes SRT Fundamentals and SRT Tactics.

2. Course Requirements:

2.1. Eligibility: This course is designed for military members no higher than the grade of O-3, police, or civilian equivalent. Personnel not in a security forces or police specialty code may attend with prior coordination.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity. Top physical condition, NO injuries that could prevent member from training.

2.3. Uniform/Equipment: See General Clothing Requirements. All required specialized gear will be provided.

NOTE: It is imperative to consider the student’s ability to meet minimum physical fitness standards as it represents their ability to safely and effectively complete the course. Country managers must ensure selected attendees are evaluated on their physical condition and meet listed standards prior to course attendance.









The IAAFA Mission:

Provide military education and training to military personnel of the Americas and other eligible Partner Nations.



**INTER-AMERICAN
AIR FORCES ACADEMY**

