

**372 TRAINING SQUADRON**

**DETACHMENT 202**

**2018 - COURSE CATALOG**



## **MISSION STATEMENT**

Provide training on advanced F-16 aircraft, equipment and munitions maintenance techniques in order to meet training, exercise, and real-world demands.

## **VISION**

Provide superb F-16 maintenance training and technical support to enhance the Air Force global mission when and where needed.

## **ACADEMIC FREEDOM**

We are a team of highly skilled professionals dedicated to providing the aircraft maintenance community with the highest academic standards possible. Our courses emphasize student participation coupled with instructor interaction. We employ every instructional method available and practice the “learn by doing” approach. Students are given the opportunity to question and comment in a friendly, relaxed atmosphere without fear of embarrassment or retribution. Value-added cross talk and quality training is the desired result.

Our instructors understand that the progress and productivity of their students is a measure of their successes and failures. Therefore, they guide activity toward tangible results by minimizing student strife, tension and frustration with the curriculum. Our methods create an environment conducive to effective learning and maximum retention of the material.

- Detachment Chief

## **Table Of Contents**

<b>Course Title</b>	<b>PG</b>
F-16C/D (BLOCK 40/42 & 50/52) (A-Shop)	4
F-16 INST & FLT CNTL (CROSS) (B-Shop)	4
F-16 (BLOCK 40/50) COMMUNICATION, NAVIGATION AND PENETRATION AIDS	5
F-16 ENGINE STARTING SYSTEM TROUBLESHOOTING	5
F-16 TACTICAL AIRCRAFT MAINTENANCE (TAMS) (CROSS)	5
F-16 ADVANCED CREW CHIEF (CERTIFICATION TRAINING)	6
F-16 ENGINE RUN (F110-GE-129)	6
AEROSPACE PROPULSION (F110-GE-100/-129) I/M	7
AEROSPACE PROPULSION (ENGINE REMOVAL/INSTALLATION)	7
AEROSPACE PROPULSION (F110-GE-100/129) F-16, O.M CERTIFICATION	7
AEROSPACE GROUND EQUIPMENT (A/M32C-10C/D AIR COND)	8
AEROSPACE GROUND EQUIPMENT (HYDRAULIC TEST STAND)	8
AEROSPACE GROUND EQUIPMENT (A/M32A-60/-60A/-60B GEN SET)	8
AEROSPACE GROUND EQUIPMENT (A/M32A-86 DIESEL GENERATOR SET)	9

<b>Course Title</b>	<b>PG</b>
AGE SELF GENERATING NITROGEN SERVICING CART	9
AEROSPACE GROUND EQUIPMENT MHU TRUCK/LIFT MUNITIONS HANDLING	10
AEROSPACE GROUND EQUIPMENT (NEW GENERATION HEATER	10
F-16 EGRESS SYSTEMS (O/M) (CERTIFICATION TRAINING)	10
AIRCREW EGRESS SYSTEMS (A-10/F-15/F-16/F-117, ACES II)	11
F-16 HYDRAZINE TANK SERVICING	11
F-16 AIRCRAFT FUEL SYSTEM	11
F-16 INTL WRM 370/300 GALLON TANK BUILD UP	12
F-16 C/D ENVIRONMENTAL SYSTEM	12
F-16 C/D ELECTRICAL SYSTEMS	12
F-16 ADVANCED WIRE REPAIR	13
MISSILE MAINTENANCE (AIM-9L/M)	13
MUNITIONS SYSTEMS MAINTENANCE (AGM-88, HARM)	13
MUNITIONS SYSTEMS MAINTENANCE (AGM-65, MAVERICK)	14
F-16 C/D CCIP AIRCRAFT ARMAMENT SYSTEM (TROUBLESHOOTING)	14
F-16 M61A1 20 MM GUN SYSTEM (IM)	14
F-16 ARMAMENT SYSTEM GUN BORESIGHT	15
F-16 C/D AIRCRAFT ARMAMENT SYSTEMS	15
F-16 COMBINED WEAPONS ARMAMENT MAINTENANCE (AME)	16
ARMAMENT SYSTEM (20 MM, UALS) I/M	16
Basic Soldering Techniques I/M	16
TRAINING SUPERVISOR	17
PRINCIPLES OF INSTRUCTION	17
INSTRUCTIONAL SYSTEMS DEVELOPMENT	17
F-16 AIRCRAFT FAMILIARIZATION COURSE	18

## **FTD INSTRUCTION**

---

**COURSE TITLE:** F-16C/D (BLOCK 40/42 & 50/52) (ATTACK CNTL)

**COURSE NUMBER:** J4AMP2A3X4CA26A

**DURATION:** 165 hrs

**PREREQUISITES:**

F-16 TO familiarization, AGE training, and F-16 Egress training. Attendees must be in 5-level upgrade training with a minimum of 6 months of airframe experience.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A3X4, in the skills and knowledge needed to perform duties on the F-16 C/D aircraft. Scope of training includes organization maintenance manual set (OMMS), avionics fundamentals, aircraft Multiplexing/MMC), Aircraft Safe for Maintenance, Up Front Controls (UFC), Color Multifunction Display Set (CMFDS)/Data Transfer Equipment (DTE), Heads up Display (HUD), Combined Altitude Radar Altimeter (CARA), Video Recording System, Inertial Navigation System (INS), Fire Control Radar (FCR), and Stores Management System (SMS) integrated modes of operation. Use of technical publications, foreign object damage prevention, applicable fraud, waste, and abuse information and safety are stressed throughout the course.

---

**COURSE TITLE:** F-16 INST & FLT CNTL (CROSS) (BLKS 40/42; 50/52)

**COURSE NUMBER:** J4AMP2A3X4CB26A

**DURATION:** 102 hrs

**PREREQUISITES:**

F-16 TO familiarization; AGE training; F-16 Egress training. At a minimum, attendees must be in 5-level upgrade training in AFSC 2A3X4 and have 12 months of flightline experience.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A3X4C, in the skills and knowledge needed to perform duties on the F-16 (Blocks 40/42; 50/52) aircraft. Scope of training includes Organizational Maintenance Manual Set (OMMS), Engine Indication System, Fuel Quality Measuring and Level Sensing Subsystem, Aircraft Safe for Maintenance, Fuel Quantity Indicating System, Pitot-static Pneumatic, Central Air Data Computer (CADC), Leading Edge Flap Subsystem, Primary Flight Control System (FLCS), Flight Control Power System, Flight Control Memory, Digital Flight Control System (FDLCS), and Crash Survivable Flight Data Recorder (CSFDR). Use of technical publications, Foreign Object Damage prevention, applicable Fraud, Waste, and Abuse information and safety are stressed throughout the course.

---

---

**COURSE TITLE:** F-16 (BLOCK 40/50) COMMUNICATION, NAVIGATION AND PENETRATION AIDS (CROSS)

**COURSE NUMBER:** J4AMP2A3X4CE26A

**DURATION:** 160/ hrs

**PREREQUISITES:**

Secret Security Clearance, Aerospace Ground Equipment (AGE) training and F-16 egress training are required. 2A3X4C AFSC with a minimum of 3 Skill level, minimum of 6 months flight line experience.

**COURSE SUMMARY:**

Provides training for Air Force personnel, AFSC 2A3X4C, in the skills and knowledge needed to perform duties on the F-16 (Block 40/50) aircraft.

---

**COURSE TITLE:** F-16 ENGINE STARTING SYSTEM TROUBLESHOOTING

**COURSE NUMBER:** J4AMP2A3X3MD26A

**DURATION:** 16 hrs

**PREREQUISITES:**

Minimum experience: possess 5 skill level, six months experience on the F-16, Aircraft Safe for Maintenance Qualified and Aerospace Ground Equipment qualified.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A3X3M, in the skills and knowledge need to perform duties on the F-16 aircraft. Scope of training includes: Engine Starting System component description and operational principles, and Perform ESS analysis procedures.

---

**COURSE TITLE:** F-16 TACTICAL AIRCRAFT MAINTENANCE (TAMS) (F110-GE-100/129) (CROSS)

**COURSE NUMBER:** J4AMP2A3X3MH26A

**DURATION:** 132 hrs (Class with a 3 level) 120 hrs (Class with all 5- and 7-levels)

**PREREQUISITES:**

Certified on the following Aerospace Ground Equipment or equivalent: Hydraulic Test Stand; Nitrogen Servicing Cart; Air Compressor; Generator Set, and Air Conditioner.

**COURSE SUMMARY:**

Course is designed for personnel newly assigned to the F-16 from a non-M shred 2A3X3 AFSCs. Students may be scheduled to attend either specific or all units of instruction, depending on user needs. All students must complete Unit I, as this information applies to all units of instruction. Scope of training includes: Technical Orders Orientation; Safe for Maintenance; Hydraulic Bleed and Leak; Landing Gear/Engine Starting System/ Brakes/Emergency Power System component location and Theory of Operation; Landing Gear Shock Strut Initial Servicing; Engine/ADG Oil Servicing; Hydraulics servicing; Aircraft Defuel procedures; Removal and Installation of Nose/Main Tires; Removal and Installation of Wing/Centerline External Fuel Tanks; Aircraft Jacking procedures; Basic Post Flight Inspection procedures; 50 hour Throttle Inspection procedures; and Aircraft Launch and Recovery procedures.

---

**COURSE TITLE:** F-16 ADVANCED CREW CHIEF (CERTIFICATION TRAINING)

**COURSE NUMBER:** J4AMP2A3X3MI26A

**DURATION:** 120 hrs

**PREREQUISITES:**

Minimum of six (6) months experience. Completed J3AQR2A333M026A, J3ABP2A333M026A or J4AMP2A3X3MH26A course and, be assigned, Dedicated Crew Chief (DCC), or Assistant Dedicated Crew Chief, or Phase Dock Inspection Section, in 5-level upgrade training or higher,

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A3X3M, in the skills and knowledge needed to perform duties on the F-16 aircraft. Scope of training includes: Landing Gear; Flight Controls; and Hydraulic Systems component description and Theory of Operation. Performance of: Flight Control Self-test or BIT; Leading Edge Flaps Operational Check procedures; Rigging of the Command Servo to the Power Drive Unit (PDU); Remove, Rig, Operational Check, and install the Asymmetry Brakes; Rigging of the Flight Control Integrated Servo-actuator (ISA); Perform Speedbrake Operational Check; Perform Main Landing Gear Door Actuator Adjustment; Perform Main Landing Gear Uplock Rod Assembly Adjustment; Perform Nose Landing Gear Retract Actuator Adjustment; and Throttle Control Assembly Rigging.

---

**COURSE TITLE:** F-16 ENGINE RUN (F110-GE-129)

**COURSE NUMBER:** J4AMP2A3X3MK26A

**DURATION:** 32 hrs

**PREREQUISITES:**

Personnel must be E-4 or above with a minimum of 5-skill level. Member must also possess an Inlet Inspection certification and Red-X certification.

**COURSE SUMMARY:**

FTD Course Catalog 2018

This course provides training for Air Force personnel in the skills and knowledge needed to perform run duties on the F-16 aircraft with the F110-GE-129 engine.

---

**COURSE TITLE:** AEROSPACE PROPULSION (F110-GE-100/-129) I/M

**COURSE NUMBER:** J4AMP2A6X1FC50A

**DURATION:** 216 hrs

**PREREQUISITES:**

Personnel must possess AFSC 2A6X1.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A6X1, in the skills and knowledge needed to perform Intermediate Maintenance on the F110-GE-100/129 Engines.

---

**COURSE TITLE:** AEROSPACE PROPULSION (JET ENGINE) (F-16, F110 ENGINE REMOVAL/INSTALLATION)

**COURSE NUMBER:** J4AMP2A6X1FD50A

**DURATION:** 54 hrs

**PREREQUISITES:**

Personnel must have Aircraft Safe for Maintenance qualification and have 6 months of aircraft experience.

**COURSE SUMMARY:**

This course provides training to Air Force personnel in knowledge and skills for engine removal/installation and engine bay inspection for the F110-GE-100/129 engines.

---

**COURSE TITLE:** AEROSPACE PROPULSION (F110-GE-100/129) F-16, O.M CERTIFICATION

**COURSE NUMBER:** J4AMP2A6X1E50A

**DURATION:** 151 hrs

**PREREQUISITES:**

Personnel must possess AFSC 2A6X1 or 2A3X3B must be qualified in Aircraft Safe for Maintenance procedures and Egress certified to enter cockpit.

**COURSE SUMMARY:**

FTD Course Catalog 2018

This is a certification course that is designed to introduce maintenance technicians to the F-16 F110-GE-100/-129 engine. The course focuses on Technical Order usage emphasizing the Engine Systems, Engine Monitoring System, Engine Fault Isolation Procedures, and Line Replaceable Unit Removal and Replacement. Specific engine system component description, location, and detailed theory of operation include; Power Plant General, Engine Mounts, Engine Drains, Engine Fuel and Control Systems, Engine Ignition, Electrical Power Supply and Distribution, Engine Anti-Ice, Engine Accessory Cooling/Compressor Control, Engine Indicating/Monitoring Systems, Exhaust Collector Nozzle, Engine Oil Storage and Distributing System, and Engine Power Controls.

---

**COURSE TITLE:** AEROSPACE GROUND EQUIPMENT (A/M32C-10C/D AIR COND)

**COURSE NUMBER:** J4AMP2A6X2 A46A

**DURATION:** 22 hrs

**PREREQUISITES:**

None

**COURSE SUMMARY:** This course provides training for personnel to operate and maintain the A/M32C-10C or A/M32C-10D air conditioners. Training includes instruction on the operational checkout of the unit and troubleshooting unit malfunctions.

---

**COURSE TITLE:** AEROSPACE GROUND EQUIPMENT (HYDRAULIC TEST STAND)

**COURSE NUMBER:** J4AMP2A6X2 F46A

**DURATION:** 27-40 hrs

**PREREQUISITES:**

None

**COURSE SUMMARY:**

This course provides training for personnel who perform operational maintenance on the hydraulic test stand. Training includes; operational checks, troubleshooting, and tune-up procedures.

---

**COURSE TITLE:** AEROSPACE GROUND EQUIPMENT (A/M32A-60/-60A/-60B GEN SET)

**COURSE NUMBER:** J4AMP2A6X2 L46A

**DURATION:** 48 hrs

FTD Course Catalog 2018



**PREREQUISITES:**

None

**COURSE SUMMARY:**

This training provides training for personnel who perform maintenance duties on the A/M32A-60/-60A/-60B Generator Set. Training includes; operational checks, fuel system adjustments, determining atomizer shim thickness, facts and principles of the electrical system, and mal-function isolation.

---

**COURSE TITLE:** AEROSPACE GROUND EQUIPMENT (A/M32A-86 DIESEL GENERATOR SET)

**COURSE NUMBER:** J4AMP2A6X2 N46A

**DURATION:** 52/54 hrs

**PREREQUISITES:**

None

**COURSE SUMMARY:**

This course provides instruction on unit operation, engine tune-up, adjustment of the electronic governor, operational check of the generator safety circuits, operation of the transformer rectifier, and troubleshooting.

---

**COURSE TITLE:** AGE SELF GENERATING NITROGEN SERVICING CART

**COURSE NUMBER:** J4AMP2A6X2 Q46A

**DURATION:** 40 hrs

**PREREQUISITES:**

None

**COURSE SUMMARY:**

Provides training for personnel who perform unit level operation and maintenance of the NCG-15-TM Self Generating Nitrogen Servicing Cart. Training includes instruction on the operational check of the unit, system operating principles, leak detection, maximum pressure switch adjustment, programmable logic theory, hydraulic compressor limit switch adjustment, drive belt adjustment and troubleshooting.

---

**COURSE TITLE:** AEROSPACE GROUND EQUIPMENT MHU TRUCK/LIFT MUNITIONS HANDLING

**COURSE NUMBER:** J4AMP2A6X2 U46A

**DURATION:** 30 hrs

**PREREQUISITES:**

None

**COURSE SUMMARY:**

This course provides performance training to maintenance personnel on the operational check, look phase of the periodic inspection and isolation of unit malfunctions on the MHU-83C/E.

---

**COURSE TITLE:** AEROSPACE GROUND EQUIPMENT (NEW GENERATION HEATER)

**COURSE NUMBER:** J4AMP2A6X2 W46A

**DURATION:** 28 hrs

**PREREQUISITES:**

None

**COURSE SUMMARY:**

This course provides training for personnel to operate and maintain the New Generation Heater (NGH). Training includes instruction on the operational checkout of the unit, NGH system adjustments, and troubleshooting unit malfunctions.

Orders; Safety Devices and Control; Component removal; Component installation; Rig canopy; and Final inspection.

---

**COURSE TITLE:** F-16 EGRESS SYSTEMS (O/M) (CERTIFICATION TRAINING)

**COURSE NUMBER:** J4AMP2A6X3 B26A

**DURATION:** 104 hrs

**PREREQUISITES:**

Graduation from course J3ABR2A633 048A: J4AMP2A6X3 A48A, Aircrew Egress system Craftsman (A-10/F-15/F-16/F-117, ACESII), or requirements as outlined in AFI 21-101

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A6X3, in the skills and knowledge needed to perform duties on the F-16 Egress System (OM).

---

**COURSE TITLE:** AIRCREW EGRESS SYSTEMS (A-10/F-15/F-16/F-117, ACES II)

**COURSE NUMBER:** J4AMP2A6X3 A48A

**DURATION:** 48 hrs

**PREREQUISITES:**

Graduation from course 3ABR2A633-001 or personnel as outlined in AFI 21-101.

Students that have completed 3ABR2A633-002, J3ABR2A633 048A or J3ABR2A633 048B are not required to take this course.

**COURSE SUMMARY:**

This course provides training for personnel who perform intermediate level maintenance duties on the ACES II ejection system; includes operation, maintenance, troubleshooting, inspections, and repair of ACES II components.

---

**COURSE TITLE:** F-16 HYDRAZINE TANK SERVICING

**COURSE NUMBER:** J4AMP2A6X4 A26A

**DURATION:** 12 hrs/2 days

**PREREQUISITES:**

Completion of course J4AMP2A6X4 B26A, completion of a Pre-placement Medical Evaluation IAW AFOSH Standard 48-8, and respirator training(Pressure Demand Respirator, Backpack) IAW AFOSH Standard 48-1.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A6X4, in the skills and knowledge needed to perform Hydrazine Tank Servicing duties on the F-16 aircraft.

---

**COURSE TITLE:** F-16 AIRCRAFT FUEL SYSTEM

**COURSE NUMBER:** J4AMP2A6X4 B26A

**DURATION:** 80 hrs/10 days

**PREREQUISITES:**

Personnel must possess AFSC 2A6X4 or have one year experience in Fuel Cell/Tank maintenance IAW TO 1-1-3, Para 1-4.

**COURSE SUMMARY:**

FTD Course Catalog 2018

This course provides training for Air Force personnel, AFSC 2X6X4, in the skills and knowledge needed to perform duties on the F-16 fuel system. Scope of training includes: Technical Orders; Aircraft Safe for Maintenance; Fuel Indicating Subsystem; Refuel Sub-Subsystem; Vent and Pressurization Sub-Subsystem; Fuel Transfer Sub-Subsystem; Engine Fuel Feed Sub-Subsystem; and the Emergency Power system and Hydrazine Characteristics.

---

**COURSE TITLE:** F-16 INTL WRM 370/300 GALLON TANK BUILD UP

**COURSE NUMBER:** J4AMP2A6X4 C26A

**DURATION:** 80 hrs

**PREREQUISITES:**

Must have completed Self Aid and Buddy Care, Hazardous Communications and have Safety Toe Boots.

**COURSE SUMMARY:**

This course provides training for Air Force Personnel in the Initial WRM F-16 370/300 Gallon Tank Buildup.

---

**COURSE TITLE:** F-16 C/D ENVIRONMENTAL SYSTEM

**COURSE NUMBER:** J4AMP2A6X6 A26A

**DURATION:** 98 hrs

**PREREQUISITES:**

Personnel must hold AFSC 2A6X6 or equivalent.

**COURSE SUMMARY:**

This course provides training to Air Force personnel, AFSC 2A6X6, in skills and knowledge needed to perform duties on the F-16 C/D aircraft.

---

**COURSE TITLE:** F-16 C/D ELECTRICAL SYSTEMS

**COURSE NUMBER:** J4AMP2A6X6 B26A

**DURATION:** 155 hrs

**PREREQUISITES:**

Personnel must hold AFSC 2A6X6 or equivalent.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2A6X6, in the skills and knowledge needed to perform duties on the F-16 aircraft. Scope of training includes: Organizational Maintenance Manual Set (OMMS), wiring, termination definition and maintenance, electrical and emergency power supply and control systems, operational checks and fault isolation, and principles of electrical interfacing systems. Use of technical publications, Foreign Object Damage prevention, applicable Fraud, Waste, and Abuse information and safety are stressed throughout the course.

---

**COURSE TITLE:** F-16 ADVANCED WIRE REPAIR

**COURSE NUMBER:** J4AMP2A6X6 E26A

**DURATION:** 40 hrs

**PREREQUISITES:**

Any aircraft maintenance AFSC

**COURSE SUMMARY:**

Provides training for Air Force aircraft maintenance personnel, any AFSC, in the skills and knowledge needed to perform advanced wire repairs on the F-16 aircraft.

---

**COURSE TITLE:** MISSILE MAINTENANCE (AIM-9L/M)

**COURSE NUMBER:** J4AMP2W0X1 A47A

**DURATION:** 28 hrs

**PREREQUISITES:**

Personnel must hold AFSC 2W0X1 and be certified on Explosive Safety.

**COURSE SUMMARY:**

This course provides instruction to Air Force personnel, AFSC 2W0X1, in the skills and knowledge needed to perform duties in the Air Intercept Missile (AIM-9) system.

---

**COURSE TITLE:** MUNITIONS SYSTEMS MAINTENANCE (AGM-88, HARM)

**COURSE NUMBER:** J4AMP2W0X1 D47A

**DURATION:** 36/38 hrs

**PREREQUISITES:**

Personnel must have Explosive Safety Training.

**COURSE SUMMARY:**

This course provides training to Air Force personnel, AFSC 2W0X1, in the skills and knowledge needed to perform duties on the AGM-88 B/C (HARM) Missile.

---

**COURSE TITLE:** MUNITIONS SYSTEMS MAINTENANCE (AGM-65, MAVERICK)

**COURSE NUMBER:** J4AMP2W0X1 E47A

**DURATION:** 33 hrs /\*Without 3d or 3e, 28 hrs

**PREREQUISITES:**

Personnel must have Explosive Safety Training.

**COURSE SUMMARY:**

This course provides training to Air Force personnel, AFSC 2W0X1, in the skills and knowledge needed to perform duties on the AGM-65 A/B & D/G2 & H2/K2, L Maverick Missile.

---

**COURSE TITLE:** F-16 C/D CCIP AIRCRAFT ARMAMENT SYSTEM  
(TROUBLESHOOTING)

**COURSE NUMBER:** J4AMP2W1X1 H26A

**DURATION:** 85 hrs

**PREREQUISITES:**

Personnel must possess a 5 skill level and complete one of the following courses: J4AMP2W1X1-151, -208 or -E26A, and be certified on operation of Aerospace Ground Equipment (AGE).

**COURSE SUMMARY:**

Provides training for Air Force personnel, AFSC 2W1X1, in the skills and knowledge needed to perform troubleshooting duties on the F-16 aircraft armament systems on CCIP-modified aircraft. The course focuses on SMS integration to include MMC facts and principles, troubleshooting methods, and LRM R/I. In addition, course content includes missile launcher and pylon operational checks as well as MFBI troubleshooting procedures.

---

**COURSE TITLE:** F-16 M61A1 20 MM GUN SYSTEM (IM)

**COURSE NUMBER:** J4AMP2W1X1 A26A

**DURATION:** 72 hrs with Trainer / 84 hrs without Trainer FTD

**PREREQUISITES:**

Personnel must hold AFSC of 2W1X1.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2W1X1, in the skills and knowledge needed to perform duties on the F-16 Gun System.

---

**COURSE TITLE:** F-16 ARMAMENT SYSTEM GUN BORESIGHT

**COURSE NUMBER:** J4AMP2W1X1 B26A

**DURATION:** 16 hrs

**PREREQUISITES:**

Personnel must hold AFSC of 2W1X1 and have complete J4AMP2W1X1-E26A, C26A.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2W1X1, in the skills and knowledge needed to perform duties on the F-16 aircraft. Scope of training includes Gun Boresight, and Boresight Quick Check. Use of technical publications, Foreign Object Damage prevention, applicable Fraud, Waste and Abuse information and safety are stressed throughout the course.

---

**COURSE TITLE:** F-16 C/D AIRCRAFT ARMAMENT SYSTEMS

**COURSE NUMBER:** J4AMP2W1X1 E26A

**DURATION:** Either Non-CCIP modified aircraft or CCIP modified Aircraft (E)- \*\*89/102 hrs(13 Academic days) Non-CCIP and CCIP (B) \*\*97/110 hrs(14 Academic days)

**PREREQUISITES:**

Personnel must complete Aerospace Ground Equipment Certification, Egress Training, and Weapons Academics prior to taking course.

**COURSE SUMMARY:**

Provides training for Air Force personnel, AFSC 2W1X1, in the skills and knowledge needed to perform duties on the F-16 Armament Systems. The course focuses on SMS functions to include operational checks, 20mm Gun R/I, handling set check, and gun functional checks. Additionally, students will perform bomb rack and pylon functional checks.

---

**COURSE TITLE:** F-16 COMBINED WEAPONS ARMAMENT MAINTENANCE (AME)

**COURSE NUMBER:** J4AMP2W1X1 K26A

**DURATION:** 138/163/164/157/173 hrs

**PREREQUISITES:**

Personnel must hold AFSC 2W1X1 or DOD equivalent.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2W1X1, in the skills and knowledge needed to perform duties on the F-16 Armament System. Scope of training includes: Wire repair, MAU-12 Bomb Ejector Rack, AIM-9 Missile Launcher, Wing Weapons Pylon, TER-9/A Assembly, LAU-129 Missile Launcher, SUU-20A/A Bomb and Rocket Dispenser, LAU-118(V)4/A Launcher Maintenance (I/M), BRU-57/A Bomb Rack, BRU-46/A Bomb Rack, BRU-61/A Miniature Munitions Carriage Assembly (MMCA) and BRU-61/A Maintenance.

---

**COURSE TITLE:** ARMAMENT SYSTEM (20 MM, UALS) I/M

**COURSE NUMBER:** J4AMP2W1X1 A48A

**DURATION:** 56 hrs

**PREREQUISITES:**

Personnel must have completed the Fire Extinguisher training and hold AFSC 2W1X1 or DOD equivalent.

**COURSE SUMMARY:**

This course provides training for Air Force personnel, AFSC 2W1X1, in the skills and knowledge needed to perform In-Shop duties on the 20MM Universal Ammunition Loading System (UALS).

---

**COURSE TITLE:** Basic Soldering Techniques I/M

**COURSE NUMBER:** J4AMP30000 C48A

**DURATION:** 32 hrs

**PREREQUISITES:** None

**COURSE SUMMARY:**

This is a self paced course. Students will work at their own pace to complete the required objectives. The course is designed to give basic soldering techniques and allow students to practice a variety of connections to gain experience with soldering techniques.

---



**COURSE TITLE:** TRAINING SUPERVISOR

**COURSE NUMBER:** J4AIP3S2X1 BF3A

**DURATION:** 32 hrs

**PREREQUISITES:**

Personnel must have T-prefix and assigned to Detachment/Operating Location or Detachment Chief/Commander.

**COURSE SUMMARY:**

Provides training in the duties of detachment/OL training supervisor to include: 982 TRG organizational structures, personnel management actions, student administration, instructor qualifications and training, faculty folder, lesson plan review, instructor evaluation, recognition programs, training evaluation and inspections. This course is to be taught GROUP PACED. The hours of instruction per day are flexible and may be adjusted to accommodate detachment faculty.

---

**COURSE TITLE:** PRINCIPLES OF INSTRUCTION

**COURSE NUMBER:** J4AIP3S2X1 EF3A

**DURATION:** 80 hrs

**PREREQUISITES:**

Personnel who are involved in teaching programs, such as Traffic Safety, Civil Engineering (CE), and Self Aid/Buddy Care. It is required training for Security Forces Unit Training Instructors and NCOICs of unit training sections not previously possessing a "T" prefix.

**COURSE SUMMARY:**

Provides training to Major Command personnel in any AFSC in principles of instruction. Course will include instruction and written exercises in: instructor's role, communication process, learning process, curriculum development, instructional media, lesson planning, questioning techniques, counseling, and evaluating students. It also includes practice teaching using the lecture and demonstration/performance methods. Instructors may incorporate student-centered instructional techniques and materials into the course in an effort to enhance the classroom-learning environment. This course is to be taught GROUP PACED. The hours of instruction per day are flexible and may be adjusted to accommodate detachment faculty.

---

**COURSE TITLE:** INSTRUCTIONAL SYSTEMS DEVELOPMENT

**COURSE NUMBER:** J4AIP3S2X1 FF3B

**DURATION:** 40 hrs

FTD Course Catalog 2018

**PREREQUISITES:**

Assigned to a FTD with a T-Prefix or Personnel who are involved in teaching programs, such as Traffic Safety, Civil Engineering (CE), and Self Aid/Buddy Care or 3S2XXX at the local base. Others allowed on a case-by-case basis. Requesting organization is responsible for any costs.

**COURSE SUMMARY:**

This course was formally known as ANALYSIS, DESIGN, DEVELOPMENT, IMPLEMENTATION, AND EVALUATION (ADDIE). This new course will provide training to Field Training Detachment (FTD) personnel and others that require training in the Instructional Systems Development (ISD) process. Scope of training includes: development process, control documents, proficiency codes the Air Force ISD process, along with maintenance of a Field Training course during the Periodic Course Review (PCR) process.

---

**COURSE TITLE:** F-16 AIRCRAFT FAMILIARIZATION COURSE**COURSE NUMBER:** NONE**DURATION:** 8 hrs**PREREQUISITES:**

NONE.

**COURSE SUMMARY:**

This course is designed for CGOs/FGOs/SNCOs that are newly assigned to the F-16CM MDS. It provides 8 blocks of instruction that cover avionics, propulsion, electrical & environmental, armament, fuels, egress, AGE, and munitions systems theory of operation and component identification. This course is taught GROUP PACED. The hours of instruction are flexible and may be adjusted to accommodate the demands on maintenance leadership and supervision.