

Training Support Branch

LNOs
- CGSC
- NSSI
- ASOPS

Missile Defense Training Division

If you are interested in learning more about these courses please refer to the course guide in the following pages or contact Clem Morris by e-mail or by phone listed below. The DOTD looks forward to fulfilling the Directorate of Training and Doctrine's motto of "Preparing the Warfighter today for the challenges of tomorrow."

Clem Morris /// Bio

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Clem Morris serves as the Chief of the Missile Defense Training Division responsible for the management of 11 institutional training programs within the Directorate of Training

and Doctrine. He entered active duty in 1978 in the Air Force, serving a career specializing in Space Operations. Tours of duty included 21st Space Wing, 14th Air Force, United States Space Command, Cheyenne Mountain Operations Center, and Air Force Space Command. He also served as an instructor, assistant course director, and course developer at the National Security Space Institute, Joint Ballistic Missile Defense System Training and Education Center, and the SMDC's Sensor Management Training Program. He holds a Master of Science degree in Information Technology and Education.

719-622-2916

USASMDC/ARSTRAT

Space and Missile Defense Institutional Training
A Course Guide of the

Who What Where When



By **Larry Mize**, Deputy Director, FWC DOTD &
SFC Gabe Cardenas, DOTD NCOIC





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Tactical Space Operations Course Space Operating System (TSOC-SOS)

Target Audience	ARSST, SSE, ASCE (AC/RC/NG).
Course Scope	Trains software tools for Space analysis; imagery reach and manipulation; Common Operational Picture.
Training Sites	Colorado Springs Based Training; unit funded mobile training. <i>SECRET approved facility</i>
Course Dates	25 Jul-12 Aug; 19 Sep-7 Oct
Course Length	10 days 80 hours
Prerequisite	Army Space Cadre Basic Course Phase 1

Tactical Space Operations Course TTP (TSOC-TTP)

Target Audience	ARSST, SSE, ASCE (AC/RC/NG)
Course Scope	Focus on Space TTPs associated with Space force enhancement areas to prepare Army Space Forces for deployment to CENTCOM AOR.
Training Sites	Colorado Springs Based Training; unit funded mobile training team. <i>SECRET approved facility</i>
Course Dates	25 Jul-12 Aug; 19 Sep-7 Oct
Course Length	5 Days 40 Hours
Prerequisite	Army Space Cadre Basic Course Phase 1

Tactical Space Operations Course Defense Support of Civil Authorities (TSOC-DSCA)

Target Audience	ARSST, DSCA mission support personnel.
Course Scope	Space force enhancement support to DSCA as relates to regional special domestic operations events and planning, Space TTPs for DSCA, DSCA organizations and legal considerations.
Training Sites	Colorado Springs Based Training; unit funded mobile training. <i>SECRET approved facility</i>
Course Dates	TBD
Course Length	3 Days 24 hours
Prerequisite	Defense Support of Civil Authorities Phase 1 online training



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Space Senior Leader Seminar (ssLs)

Target Audience	Active Army and Reserve Component officers grade 5-6; Selected NCOs in the grade of E9; Senior DA civilians who are designated as Army Space Cadre.
Training Sites	Colorado Springs Based Training
Course Dates	20-23 Sep
Course Length	4 days
Prerequisite	Centrally selected; Key Development Leader Positions

Army Space Communications System Operator Course (ACSOC)

Target Audience	1st Space Battalion and SMDC Staff elements.
Course Scope	Trains Soldiers to conduct ground mobile surveillance and assessment of Space systems in support of military and civil operations with equipment set.
Training Sites	Colorado Springs Based Training; classroom and equipment hands-on. <i>SECRET approved facility</i>
Course Dates	TBD
Course Length	10 days 80 hours
Prerequisite	Army Space Cadre Basic Course Phase 1; SATCOM EMI Fundamentals

Army Space Communications System Planner Course (ACSPC)

Target Audience	1st Space Battalion and SMDC Staff Elements.
Course Scope	Trains leaders in strategic to tactical planning and C2 of ground mobile surveillance and assessment of Space systems in support of military and civil operations.
Training Sites	Colorado Springs Based Training <i>SECRET approved facility</i>
Course Dates	TBD
Course Length	5 Days 40 Hours
Prerequisite	Army Space Cadre Basic Course Phase 1; SATCOM EMI Fundamentals

SATCOM EMI Fundamentals (SSA-IQT)

Target Audience	1st Space Battalion and SMDC Staff Elements.
Course Scope	Trains basic principles of EMI and foundational SATCOM, for understanding of EMI effects of satellite systems.
Training Sites	Colorado Springs Based Training <i>SECRET approved facility</i>
Course Dates	TBD
Course Length	5 Days 40 Hours
Prerequisite	Army Space Cadre Basic Course Phase 1

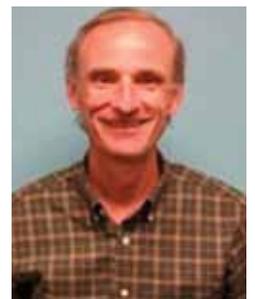
FA40 Space Operations Officer Qualification Course (sooqc)

Target Audience	Active Army and Reserve components, grade 3-5 who are designated FA40 Space Operations Officers and others approved by SMDC to attend.
Training Sites	Colorado Springs Based Training; Tour National, Joint, Service and Commercial Space Organizations. <i>SCIF approved facility</i>
Course Dates	7 Jun-25 Aug; 7 Sep-17 Nov
Course Length	11 weeks
Prerequisite	FA40



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GMD Basic Course

Target Audience	100th MD BDE, 49th MD BN, DET 1-100 MD BDE.
Training Sites	Colorado Springs Based Training; Mobile Training Team
Course Dates	6-10 Jun; 20-24 Jun (Huntsville); 11-15 Jul; 25-29 Jul
Course Length	5 Days 40 Hours
Prerequisite	None

GMD Operator Course

Target Audience	100th MD BDE, 49th MD BN, DET 1-100th MD BDE.
Training Sites	Colorado Springs Based Training. <i>SECRET approved facility</i>
Course Dates	5 Sep-21 Oct
Course Length	7-week Qual Course
Prerequisite	GMD Assignment

GMD Master Gunner Course

Target Audience	100th MD BDE, 49th MD BN, DET 1-100th MD BDE
Course Scope	GMD gunnery, program management, operations, critical thinking
Training Sites	Colorado Springs Based Training <i>SECRET approved facility</i>
Course Dates	TBD Jun
Course Length	3 Days 24 hours
Prerequisite	GMD Soldier, GMD career track



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Joint Tactical Ground Station Leader Development Course (JTAGS-LDC)

Target Audience	JTAGS Personnel SGT (P) and above.
Course Scope	Advanced training in certification, TES events, mission operations, system administrations, communications and maintenance of the JTAGS system.
Training Sites	Colorado Springs Based Training
Course Dates	18-29 Jul; 26 Sep-7 Oct (<i>Trained 5x/year</i>)
Course Length	10 days 80 hours
Prerequisite	Graduate of JTAGS ITQ Course

AN/TPY-2(FBM) Sensor Manager Qualification Course (SMQC)

Target Audience	100th MD BDE, 94th AAMDC, 32nd AAMDC, 357th AMD-D
Training Sites	Colorado Springs Based Training. <i>SECRET approved facility</i>
Course Dates	6-23 Sep
Course Length	3-week Qual Course
Prerequisite	Sensor manager assignment

AN/TPY-2(FBM) Sensor Manager Leader Development Course (SMLDC)

Target Audience	100th MD BDE, 94th AAMDC, 32nd AAMDC, 357th AMD-D, JFCC-IMD, and Joint RFF support forces.
Course Scope	Trains radar capabilities/limitations, radar control, C2BMC, support to current OPLANs.
Training Sites	Colorado Springs Based Training. <i>SECRET approved facility</i>
Course Dates	22-26 Aug
Course Length	1-Week Qual Course
Prerequisite	Sensor manager Soldier

Sensor Manager Executive Course (SMEC)

Target Audience	100th MD BDE, AAMDC leadership and staffs, ADAFCOs, COCOMs
Course Scope	Trains advanced AN/TPY-2 (FBM) capabilities/limitations and employment concepts
Training Sites	Colorado Springs Based Training. <i>SECRET approved facility</i>
Course Dates	Jun (Ft. Sill); Jul (New Mexico); Aug; Sep (New Mexico)
Course Length	1-day orientation
Prerequisite	None

Joint Tactical Ground Station (JTAGS) IQT

Target Audience	1st Space Co (ASI Q4)
Course Scope	The JTAGS-IQT is a comprehensive course that provides training in the fundamentals of JTAGS operations, command relationships, system design and equipment functions, communications, event processing, crew procedures, and troubleshooting.
Training Sites	Colorado Springs Based Training; Tour National, Joint, Service <i>SCIF approved facility</i>
Course Dates	20 Mar- 6 May; 29 May-15 Jul; 7 Aug- 23 Sep
Course Length	7 weeks
Prerequisite	JTAGS assignment Active Army enlisted personnel qualified in MOS, 14J Warrant Officers qualified in MOS 140A Commissioned Officers qualified in AOC, 14A.



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ATRRS School House Code 129 ERB Training Completion Codes Course Codes

Codes	Course
XDD	Army Space Cadre Basic Course Ph I
XDE	Army Space Cadre Basic Course Ph II
XDF	Sensor Manager Qualification Course
XDG	GMD Master Gunner Course



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Army Space Cadre Basic Course Phase 1

Target Audience	Army Space Cadre Enablers, ARRST, CIT, JTAGS, 4th Space, Non FA40 Staff, NCOs, Civilians and Contractors.
Course Scope	Space fundamentals, mission area, organizations, & capabilities. Basic Space information for all SMDC/ARSTRAT Personnel
Training Sites	Colorado Springs Based Training. Unit funded remote training available provided by mobile training team. <i>SECRET approved facility</i>
Course Dates	12-16 Sep;& 2-9 Dec
Course Length	5 Days 40 Hours
Prerequisite	None

Army Space Cadre Basic Course Phase 2

Target Audience	Army Space Cadre Enablers, ARRST, CIT, JTAGS, 4th Space, Non FA40 Staff, NCOs, Civilian and Contractors.
Course Scope	Phase 2 trains advanced Space mission areas, Space control, Missile Defense, missile warning, Space acquisition, STO, ACCM, Annex N
Training Sites	Colorado Springs Based Training; unit funded mobile training team
Course Dates	20-24 Jun; Aug (Huntsville); 26-30 Sep
Course Length	5 Days 40 Hours
Prerequisite	ASCBC Phase 1

Advanced Space Operations School (ASOps)

Located in Colorado Springs, The Advanced Space Operations School expands space system understanding by providing world-class, in-depth instruction of space systems, capabilities, requirements, acquisition, strategies and policies to support Joint military operations and U.S. National Security.

Fundamental Courses

Space and Missiles Intelligence Formal Training Unity (SMIFTU), Space Fundamentals Course (SFC), Space Operations Course Mobile (SOC-M), Space Operations Executive Level Course (SOC-E), Space Operations Executive Level Mobile Course (SOC-E/M) and Introduction to Space (ITS)

Deployment Preparation Courses

Director of Space Forces Course (DIRSPACEFOR OR DS4), Space Warfighter Prep Course (SWPC), Weapons School Preparation Course (WSPC)

Advanced Courses

Advanced Orbital Mechanics Course (AOM), Missile Warning and Defense Advanced Course (MWDAC), Satellite Communications Advanced Course (SATCOMAC)



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XDH Joint Tactical Ground Station-IQT
XDI Joint Tactical Ground Station-LDC
XDJ Missile Defense Operator Course
XDK N2C2 Basic Course

XDL Small Group Training Instructor Course
XDM Army Space Cadre Senior Leader Seminar
XDN System Approach to Training Basic Course
XDO Space Operations System
XDP Tactics, Techniques, and Procedures

GMD Command Launch Equipment (CLE) Operator Qualification Course (coming 2013)

Target Audience 100th MD BDE, 49th MD BN, DET 1-100 MD BDE
Course Scope Trains CLE system behavior, role in GMD, CLE daily ops
Training Sites Colorado Springs Based Training
Course Dates Sep Validation; Begin training FY 13 at J-GTEC with DOTD Instructors
Course Length 2-week Qual course
Prerequisite CLE operator assignment

BMDS Asset Management (BAM) Course

Target Audience 100th MD BDE, 49th MD BN, DET 1-100th MD BDE, 94th, AAMDC, 357th AAMD-D, JFCC-IMD, JFCC-SPACE, and DIA.
Course Scope Trains BMDS Overview Asset TTP, policies & procedures Asset Management impact on the BMDS community C2BMC OPS CAP reporting.
Training Sites Colorado Springs Based Training
SECRET approved facility
Course Dates TBD
Course Length 1-Day Qual course
Prerequisite GMD/BMDS Assignment.



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National Security Space Institute (NSSI)

Located in Colorado Springs, the National Security Space Institute is the Department of Defense's single focal point for Space education and training, complementing existing Space education programs at Air University, the Naval Postgraduate School and the Air Force Institute of Technology.

Space 200 Course (SP200)

The course investigates three major areas: Space Systems Engineering, Space Power and Space as a Contested Environment.

Space 300 Course (SP300)

Develops Space professionals who understand national policy considerations and strategic thought within an international geopolitical environment. Students will be able to critically address Space acquisition capabilities, and power at the operational and strategic levels across the range of military operations as well as Space power's strategic contributions to national security.

