

National Security Space Institute

<https://nssi.spaceforce.mil>

COURSE CATALOG



ACADEMIC YEAR 2025

OVERVIEW

The NSSI conducts space professional continuing education supporting space cadre development and general space education for the broader DOD. For information on courses, class schedules, change requests, and TDY, please contact NSSI Registrar. For information on space cadre development, please contact Space Cadre Talent Management Office.



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DISCLAIMER

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NATIONAL SECURITY SPACE INSTITUTE

VISION

Educating and inspiring space warriors and leaders.

MISSION

NSSI provides worldwide **responsive** and **relevant** space professional continuing education to the Department of Defense, U.S. government entities, and International partners in order to develop graduates with the intellectual capacity and agility to deter conflict, defend capabilities, and defeat aggression in the space domain.

MOTTO

Victory Begins in the Mind
Victoria Incipit In Mente



COLLEGE OF PROFESSIONAL DEVELOPMENT



The College of Professional Development (CoPD) delivers a series of courses designed to meet the continuing education needs of the DoD, other Federal agencies, and International partners.

CoPD

ABBREV.	COURSE NAME	TYPE	LENGTH	OFFERINGS/YR
SP100	Space 100 (Foundational)	IR	5d	4
		DL	50h over 7w	16
		MET	5d	12
SP200	Space 200 (Operational)	IR	10d	15
SP300	Space 300 (Strategic)	IR	15d	11
SEC	Space Executive Course	IR	2d	6
		MET	2d	14
MTOC	Mission Type Orders Course	DL	4-6h over 2w	12
MSOIC	Maritime Space Operations Integration Course	IR	10d	4
SWPC	Space Warfighter Prep Course	Blended	DL portion: 10h over 4w + IR portion: 15d	4
SLC	Squadron Leaders Course	IR	5d (Spouse: 5d)	4
Aegis	Aegis	IR	9d (Spouse: 4d)	1
CSFC	Commander of Space Forces Course	IR	5d	2
SPTC	Space Planners Team Course	Blended	DL portion: 5h over 2w + IR portion: 10d	4

Current as of 20 Jun 2025 - Academic days are Monday-Friday

Key: *IR* = In-residence, *DL* = Distance Learning, *Blended* = DL followed by IR, *MET* = Mobile Education Team

SPACE 100

Classification	Unclassified
Course Type	IR, DL, & MET
Course Length	IR/MET: 5 Days DL: 50 Hrs over 7 Weeks
Offerings Per Year	IR: 4 (24 stu per class) MET: 12 (40 stu per class) DL: 16 (50 stu per class)
Enrollment Type	IR/DL: Open Application MET: By Request Only
Location	IR: Colorado Springs, CO DL: Online MET: Provided by Host

SP100 is a fundamental space education course taught at the unclassified level. This course provides an introductory educational level of space systems and how they are used to support global Joint military operations.

IMPORTANT NOTE: Students who attend SP100 are not eligible to take ITJS and vice versa.

After completing, graduates will:

1. Know basic scientific concepts and terminology associated with space operations.
2. Know the principles of operating in space and how those principles influence space mission design.
3. Know how space capabilities support Joint operations and how those capabilities are integrated into Joint operations.

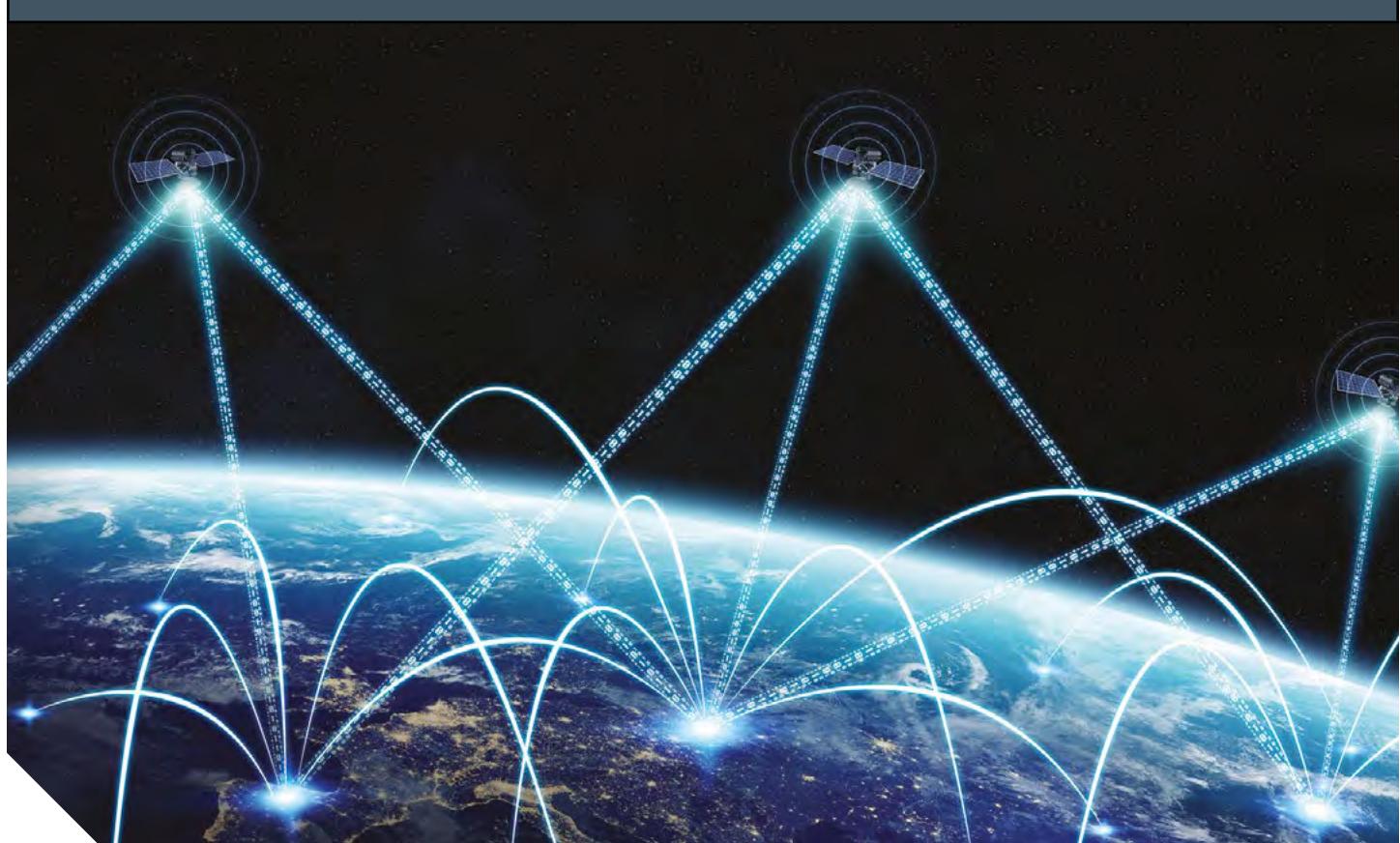
Required Reading: [Spacepower Capstone Publication](#)



CoPD

SP100

Student Body	U.S. DoD personnel, select partner nations, and non-operational USSF space cadre.
Eligibility Criteria	Students in the following AF AFSCs have SP100 selection priority: 14N/1N/5I-Intel, 15W/1W/5Z-Weather, 17D/3D/5C/5Z-Cyber, 61X, 62X, 63X, 64X, 65X - Science, Engineers, Acquisitions, Contracting, Finance, 2M0-Space_Missile Maintenance/5Z, 9S1-Scientific App Specialist/5Z, applicable Government Civilian Equivalents, and select partner nations. Contractors are not eligible.
Enrollment Process	The selection board meets and selects students based on specific AFSCs.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



SPACE 200

Classification	S//REL FVEY
Course Type	In-residence
Course Length	10 Days
Offerings Per Year	15 (24 stu per class)
Enrollment Type	Open Nomination
Location	Peterson SFB, CO



SP200 is a mid-career course for space professional education. It prepares space professionals to think critically about the application of space power. The course investigates two major areas: space systems development and space power. In each area, students actively participate in exercises, challenging them to determine what to do given the dynamics and uncertainty of the national security environment.

After completing, graduates will be able to:

1. Apply the principles of operational art and operational design to deliver combat effects to Joint forces.
2. Analyze the contested space environment to develop resilience in space systems.

Required Reading: [Spacepower Capstone Publication](#)

Prerequisite (ONE of the following): Space 100 (SP100), Introduction To Joint Space (ITJS), Undergraduate Space Training (UST), SPD-Military Intelligence, Army Space Cadre Basic Course (ASCBC) Phase I & II, Navy Space Operations Course (NSOC), or NASA Astronaut Candidate Program.



CoPD

SP200

Student Body	Company and Field Grade Officers, NCOs and SNCOs, DoD civilians, and international partners.		
Eligibility Criteria	OFFICER Capt (pinned) and higher - SFSC: 13S, 14N, 17X, 62E, 63A; AFSC: 15A, 15W, 61X; in space positions	ENLISTED TSgt (pinned) and higher - SFSC: 5C, 5I, 5S, 5Z; AFSC: 1C6, 1D, 1N, 1W0, 2M0, 9S100; in space positions	CIVILIAN NH-03/04; GS/GG-12/13/14; DR-02/03 (equivalents); in a USSF organization or other space position
	SISTER SERVICES: Army - Qualification course for FA40; Marines - Qualification course for 1786 MOS; Navy - Qualification Course for VS6-Level and above <i>Must be approved by appropriate POC to apply and attend.</i>		
Enrollment Process	DAF enrollment is through NSSI Course Registration website. 13 DOS will select students for courses ~60 days prior to class start. Reserve and Guard POCs will select students to fill Reserve and Guard seat allocations. POCs send student lists to NSSI for roster and student management.		
Nomination Contacts	For any questions regarding nominations for this course please contact 13 DOS or the NSSI Registrar. Registrar Email: NSSIrq@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil		



SPACE 300

Classification	TS//SI//TK//REL FVEY
Course Type	In-residence
Course Length	15 Days
Offerings Per Year	11 (24 stu per class)
Enrollment Type	Open Nomination
Location	Colorado Springs, CO

SP300 is a capstone course for space professional education. It prepares space professionals who understand national and international policy considerations and strategic thought within the international geopolitical environment. Students will critically and creatively analyze and assess existing space related policies, strategies, and capability gaps, and devise recommended solutions (material and non-material) to close those gaps at the strategic level, considering the range of national power instruments. In addition, students will be asked to consider space power's strategic contributions to national security, and to participate in discussions regarding the role of space in achieving national interests.



After completing, graduates will be able to:

1. Synthesize space-related policy and strategy to address U.S. and partner national interests.
2. Examine the strategic environment to synthesize strategic guidance for USSPACECOM.
3. Examine strategic guidance and operational environments in order to synthesize coordinated and integrated capabilities rapidly and affordably for the U.S. and Allies.
4. Develop space professionals with problem solving skills able to synthesize policy, strategy, and capabilities for U.S., Allies, and adversaries.

Required Reading: [Spacepower Capstone Publication](#)

Prerequisite (ONE of the following): Space 100 (SP100), Introduction To Joint Space (ITJS), Undergraduate Space Training (UST), SPD-Military Intelligence, Army Space Cadre Basic Course (ASCBC) Phase I & II, Navy Space Operations Course (NSOC), or NASA Astronaut Candidate Program.



CoPD

SP300

Student Body	Field Grade Officers, SNCOs, DoD civilians, and international partners.		
Eligibility Criteria	OFFICER Maj (pinned) and higher - SFSC: 13S, 14N, 17X, 62E, 63A; AFSC: 15A, 15W, 61X; in space positions	ENLISTED MSgt (pinned) and higher - SFSC: 5C, 5I, 5S, 5Z; AFSC: 1C6, 1D, 1N, 1W0, 2M0, 9S100; in space positions	CIVILIAN NH-03/04; GS/GG-13/14; DR-02/03 (equivalents); in a USSF organization or other space position
	SISTER SERVICES: Army - Advanced education for FA40; Marines - Continued development of Space Cadre; Navy - Required for highest space cadre Additional Qualification Designator (ADQ) <i>Must be approved by appropriate POC to apply and attend.</i>		
Enrollment Process	DAF enrollment is through NSSI Course Registration website. 13 DOS will select students for courses ~60 days prior to class start. Reserve and Guard POCs will select students to fill Reserve and Guard seat allocations. POCs send student lists to NSSI for roster and student management.		
Nomination Contacts	For any questions regarding nominations for this course please contact 13 DOS or the NSSI Registrar. Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil		



SPACE EXECUTIVE COURSE

Classification	TS//SI//REL FVEY (other classifications available upon request)
Course Type	IR & MET
Course Length	IR/MET: 2 Days
Offerings Per Year	IR: 6 (16 stu per class) MET: 14 (16 stu per class)
Enrollment Type	IR: Open Application MET: By Request Only
Location	IR: Colorado Springs, CO MET: Provided by Host

SEC is a two-day familiarization course providing an executive space overview for senior members of the Department of Defense (DoD), other U.S. government agencies, and partner nations. The course focuses on the following areas: a brief coverage of space fundamentals, to include space environment and orbital mechanics; an overview of space law, policy, and doctrine; capabilities, limitations, and vulnerabilities of DoD, National, civil, and commercial space systems; and space integration into multi-domain terrestrial operations. This course provides senior personnel with an awareness of unique space capabilities providing combat effects for warfighters.

After completing, graduates will be familiar with:

1. Key provisions of U.S. space treaties, law, policy, and doctrine which shape our current organizations, structure, and missions.
2. Threats to U.S. space systems and the means to mitigate those threats.
3. Characteristics of the space domain and the basic capabilities, limitations, and vulnerabilities of specific USSPACECOM and NRO space systems, and how they support combatant command operations.
4. Space integration in terrestrial operations.



CoPD

SEC

Student Body	Individuals in the ranks of O-6, E9, and GS/GG-15 and above.		
Eligibility Criteria	Senior members of the Department of Defense (DoD), other US government agencies, and select partner nations. (Guard and Reserve may have additional requirements; check with your nomination POC.)		
	OFFICER O-6 and above	ENLISTED E-9	CIVILIAN GS/GG 15 and above
SISTER SERVICES: Other services as requested			
Enrollment Process	Senior leaders request enrollment through the NSSI Registrar.		
Nomination Contacts	Registrar Email: NSSlrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil		



MISSION TYPE ORDERS COURSE

Classification	Unclassified
Course Type	Distance Learning
Course Length	4-6 Hrs over 2 Weeks
Offerings Per Year	12 (75 stu per class)
Enrollment Type	Open Application
Location	Online

The purpose of the MTOC is to educate USSF personnel from the beginning of their careers on the Space Planning Process as described in SDP 5-0.

After completing, graduates will be able to:

1. Comprehend the Space Planning Process (SPP).
2. Comprehend the different types of orders and their purposes.
3. Comprehend orders production.

Required Reading: SDP 5-0, JP 5-0



CoPD

MTOC

MTOC	
Student Body	Members from the U.S. Space Force, Guardians, and Civilians.
Eligibility Criteria	Open to all service branches with the understanding this course is designed for USSF personnel. Other DoD personnel should be aware of this and understand that the USSF process may differ slightly from that of other services.
Enrollment Process	This is an open application course, please contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



MARITIME SPACE OPERATIONS INTEGRATION COURSE

Classification	TS//HCS/SI-G/TK//NF
Course Type	In-residence
Course Length	10 Days
Offerings Per Year	4 (24 stu per class)
Enrollment Type	Open Application
Location	Colorado Springs, CO

The purpose of MSOIC is to prepare Navy Maritime Space Officers (MSO) for a career in integrating Joint and national space capabilities to support maritime operations and leveraging maritime capabilities to create space effects in support of Joint commanders. The secondary purpose of the course is to educate other Navy officers, and other military and civilian members of the U.S. Government who may directly or indirectly support space and maritime operations through their responsibilities in Joint commands.

After completing, graduates will be able to:

1. Apply joint and national space concepts, doctrine, and capabilities to address operational challenges in the maritime domain.
2. Apply maritime concepts, doctrine, and capabilities to create space effects in support of joint and national commanders.
3. Analyze operational challenges in the maritime domain across the competition and conflict continuums and plan courses of action to most effectively employ integrated space and maritime concepts, doctrine and capabilities.

Prerequisite (ONE of the following): Space 200 (SP200), or 319CTS Space Warfighter Preparation Course (SWPC), or the Army's Space Operations Officer Qualification Course (SOOQC). Prerequisite waivers may be granted for individuals who have extensive experience in space or have otherwise demonstrated the required knowledge to be successful in the course. NAVIFOR will manage the waiver process.



CoPD

MSOIC

MSOIC	
Student Body	Maritime Space Officers, other Navy officers, and other military and civilian members of the U.S. Government. The course will consider future expansion to include students from international allies and partners.
Eligibility Criteria	Students will be Maritime Space Officers, other Navy officers, and other military and civilian members of the U.S. Government.
Enrollment Process	This is an open application course. Please submit your application, and a student selection board will convene 30-45 days prior to course start. The NSSI Registrar will notify you of the status of your application. For more information contact the NSSI Registrar.
Nomination Contacts	Registrar Email: NSSIRg@spaceforce.mil NAVIFOR Colorado: (719) 556-3778, (719) 556-3777, or asops.navy.naviforco@us.af.mil



SPACE WARFIGHTER PREP COURSE

Classification	TS//SCI//NF
Course Type	Blended (DL/IR)
Course Length	DL: 30 Hrs over 4 Weeks IR: 15 Days
Offerings Per Year	4 (24 stu per class)
Enrollment Type	Invitation Only
Location	Online and Colorado Springs, CO

PLEASE NOTE: This is a blended course. Completion of the online portion is required prior to attending the fifteen-day in-residence portion within the same class iteration.

SWPC is designed to prepare space professionals to effectively augment theater Air Operations Centers during both exercises and real-world operations. This course provides both academic instruction and hands-on equipment training needed to prepare graduates to integrate air and space power in support of theater commanders.

After completing, graduates will be able to:

1. Remember the capabilities, limitations, and vulnerabilities of adversary threats to U.S. space systems.
2. Understand the capabilities, limitations, and vulnerabilities of selected U.S. and foreign space systems used to support joint theater operations.
3. Understand the organizations and processes required to plan, integrate, and execute space capabilities in support of combatant commander objectives.
4. Apply knowledge of space systems, threats, tactics, and operational considerations to plan the effective employment of space in support of joint and coalition theater operations.

Prerequisite (ONE of the following): Undergraduate Space Training, Space 100 (SP100), Introduction To Joint Space (ITJS), Space Officer Qualification Course, Naval Space Operations Course, or Space 200 (SP200). Exceptions will be considered on a case-by-case basis.



CoPD

SWPC

Student Body	Members assigned as space professionals (including intelligence, engineering, communications, acquisitions, etc.) on the COMSPACEFOR staff or within an AOC or other Operational C2 Nodes are the primary target audience for this course. To successfully complete the course, students should have a background in space operations, AOCs, and/or theater space integration.
Eligibility Criteria	Space Professionals identified by HQ SpOC DCG-O/S3/5PR for deployment to primary stakeholder AOCs IAW AFI 13-1 AOC Vol 1 (unless waived by gaining unit or HQ SpOC DCG-O/S3/5PR). Space Professionals identified by HQ SpOC DCG-O/S3/5PR for deployment to secondary stakeholder AOCs IAW AFI 13-1 AOC Vol 1 or Task Forces as requiring SWPC through 1SAB2/1SAB3 taskings or appropriate line remarks (SPW/SPV) (unless waived by gaining unit or HQ SpOC DCG-O/S3/5PR). Space professionals permanently assigned to theater AOCs IAW AFI 13-1 AOC Vol 1 and DS4 staffs (currently in place). Space Professionals identified by HQ SpOC DCG-O/S3/5PR who are deploying in support of space operations that aren't identified as requiring SWPC but would benefit from SWPC attendance. Space Professionals identified by HQ SpOC DCG-O/S3/5PR for exercise support. Combined Space Operations Center personnel.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



SQUADRON LEADERS COURSE

Classification	Unclassified
Course Type	In-residence
Course Length	Member/Spouse: 5 Days
Offerings Per Year	4 Commander's, ML's, SEL's (35 per class) 2 Spouse's (15 per class)
Enrollment Type	Invitation Only
Location	Colorado Springs, CO



The purpose of SLC is to prepare and empower command teams to effectively accomplish their mission. Students will have a forum to discuss issues and concerns with senior mentors and key presenters, as well as their peers, in a seminar environment where they can engage in open and frank discussions regarding the dynamics of their future roles. The focus is on a comprehensive understanding of command, leadership, command culture across the major performance areas, and embodying the Guardian Commitment as a command team based on AFI 1-2 Commander's Responsibilities and The Guardian Ideal. The SLC is an executive pre-command educational program for future squadron commanders, senior enlisted leaders, materiel leaders, and their spouses. The Spouses' Course is optional and runs concurrent with the Members' Course at the same location. The purpose of the SLC Spouses' Course is to prepare and empower first time Commander, SEL, and Materiel Leader spouses to support the command leadership team and improve the unit's quality of life as appropriate for themselves and their families.

After completing, graduates will be able to:

1. Understand how they can more effectively execute their unit's mission.
2. Understand how they can more effectively manage resources in support of their unit's mission.
3. Understand how they can improve their unit in key performance areas.
4. Understand how they can more effectively lead people within their unit.
5. Understand how command culture and climate can be reinforced through a "30-60-90 Day" Plan.

After completing the Spouses' Course, graduates will:

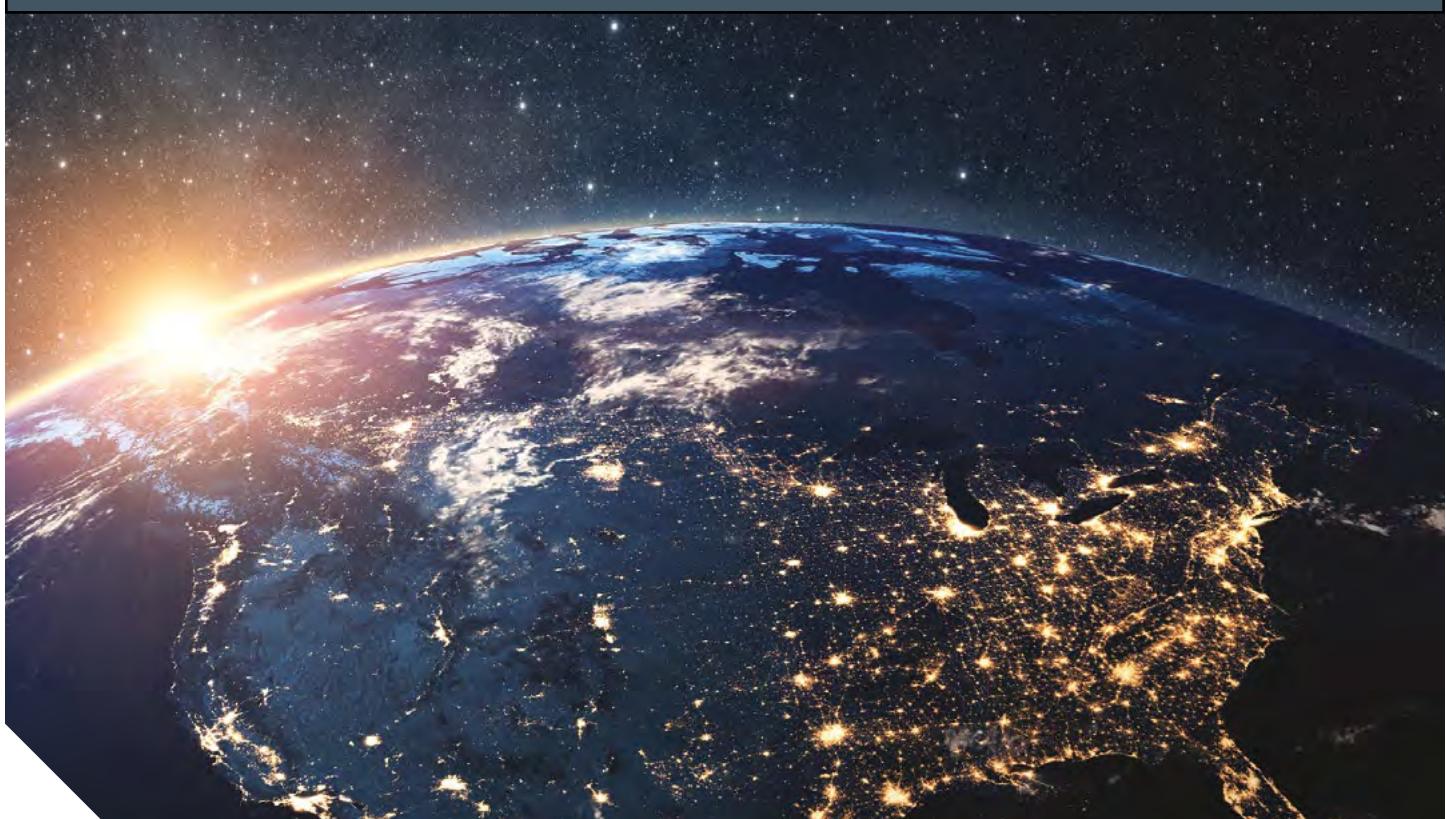
1. Understand key issues and resources for life in the Space Force.
2. Understand key issues and resources for childcare and youth programs.
3. Understand key issues and resources for education.
4. Understand key issues and resources for healthcare.
5. Understand key issues and resources for housing.
6. Understand key issues and resources for spouse employment.



CoPD

SLC

Student Body	Selected incoming Squadron Commanders, Senior Enlisted Leaders, and Spouses.		
Eligibility Criteria	Students selected for a Squadron Leadership position in the current year or be a spouse of an individual selected for a Squadron Leadership position in the current year.		
	OFFICER Incoming Squadron Commander	ENLISTED Incoming Squadron SEL	CIVILIAN Spouse of an incoming Squadron Commander or SEL
Enrollment Process	Incoming Squadron Commanders request enrollment through the NSSI Registrar.		
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil		



AEGIS

Classification	Unclassified to TS//HCS/SI-G/TK//NF
Course Type	In-residence
Course Length	Aegis Course: 9 Days Aegis Spouses' Course: 4 Days
Offerings Per Year	1 (50 stu per class + spouses)
Enrollment Type	Invitation Only
Location	Washington, D.C.

The Aegis course is an essential opportunity for students to explore important leadership topics including professionalism, current policy matters, operations, and personnel. The focus is on an understanding of command, leadership, and command culture across the major performance areas, and embodying the Guardian Commitment as a command team based on AFI 1-2 Commander's Responsibilities and Space Force Handbook 1-1 Guardian Spirit. Aegis provides an understanding of contemporary attitudes, approaches to leadership and management, legal responsibilities of command and selected staff functions requiring management and leadership emphasis. Attendees are also provided an update on current Department of the Air Force policies and procedures appropriate for their level of leadership. Students will have a forum to discuss issues and concerns with senior mentors, key staff members, as well as their peers, in a seminar environment where they can engage in open and frank discussions regarding the dynamics of their future roles. This course is also extended to students' spouses (the Spouses' Course is optional and runs concurrent with the first four days of the second week of the Aegis Course at the same location as the Aegis Course that week).



CoPD

After completing, graduates will be able to:

1. Understand how they can more effectively execute their unit's mission.
2. Understand how they can more effectively manage resources in support of their unit's mission.
3. Understand how they can improve their unit in key performance areas.
4. Understand how they can more effectively lead people within their unit.
5. Understand how command culture and climate can be reinforced through a "30-60-90 Day" Plan.

After completing the Spouses' Course, graduates will:

1. Understand key issues and resources for life in the Space Force.
2. Understand key issues and resources for child development and youth programs.
3. Understand key issues and resources for education.
4. Understand key issues and resources for healthcare.
5. Understand key issues and resources for housing.

AEGIS

Recommended Reading: Air Force Instruction 1-2 Commander's Responsibilities, Space Force Handbook 1-1 Guardian Spirit, Space Capstone Publication, NSSI Primer, and Space Force 101.

AEGIS Program Overview						
Student Body	U.S. Space Force Delta Commanders, Deputy Delta Commanders (O-6's only), military and civilian Senior Materiel Leaders (SMLs), and Delta Senior Enlisted Leaders (SELs), U.S. Air Force Group Commanders and U.S. Air Force Group SELs executing their duties directly supporting the Space Force mission on Space Force bases, and Spouses of all those individuals.					
Eligibility Criteria	Senior Leaders within the Department of the Air Force. <table border="1"><tr><td>OFFICER O-6</td><td>ENLISTED E-9</td><td>CIVILIAN NH-04</td></tr></table>			OFFICER O-6	ENLISTED E-9	CIVILIAN NH-04
OFFICER O-6	ENLISTED E-9	CIVILIAN NH-04				
Enrollment Process	Senior leaders request enrollment through the NSSI Registrar.					
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil					



COMMANDER OF SPACE FORCES COURSE

Classification	TS//SI//TK//REL//USA, AUS, GBR
Course Type	In-residence
Course Length	5 Days
Offerings Per Year	2 (10 stu per class)
Enrollment Type	Invitation Only
Location	Colorado Springs, CO

CSFC is a 5-day, TOP SECRET//SI//TK//REL//USA, AUS, GBR program designed to prepare Commanders of Space Forces (COMSPACEFORs) and their senior staff to accomplish the COMSPACEFOR mission as Service Component Commander, Operational Commander, Senior Space Domain Advisor to the Combatant Commander, and Theater Space Integrator. The classification-level is designed to include those partners whose national policies support the full-range of material discussed throughout the course.

After completing, graduates will be able to:

1. Create ways to perform Commander of Space Forces (COMSPACEFOR) operational responsibilities and achieve Combatant Commander/Joint Force Commander objectives.
2. Evaluate theater Space Force Forces' "Organize, Train, and Equip (OT&E)" and ADCON requirements and tools to best present Space Force capabilities to achieve Combatant Commander/Joint Force Commander objectives.
3. Create approaches to integrating space capabilities and articulating military advice as the Theater Space Integrator and Senior Space Domain Advisor to the Combatant Commander/Joint Force Commander.



CoPD

CSFC

Student Body	Students assigned as the COMSPACEFOR or Deputy COMSPACEFOR are the primary target audience. Secondary consideration will be given for personnel filling COMSPACEFOR senior staff positions (including senior enlisted positions). Senior coalition (AUS, GBR) space personnel may also attend.
Eligibility Criteria	Assigned students will be commissioned officers or senior non-commisioned officers with previous operational or training backgrounds in space operations or related fields. The seminar environment and advanced concepts require at least three of the students in each class be field grade officers or above with JPME 1 complete. Senior coalition (AUS, GBR) space personnel may also attend.
Enrollment Process	Seating priority will be given to space professionals selected as COMSPACEFOR or Deputy COMSPACEFOR, and then to space professionals assigned as senior COMSPACEFOR Staff (S-directors and Senior Enlisted Leaders) and ally/partner nation space professionals selected to function as members of or liaisons to a COMSPACEFOR Staff. All other space professionals will be considered on a case-by-case basis according to available seating.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



SPACE PLANNERS TEAM COURSE

Classification	TS//SCI//SI//TK//NOFORN
Course Type	Blended (DL//IR)
Course Length	DL: 5 Hrs over 2 Weeks IR: 10 Days
Offerings Per Year	4 (24 stu per class)
Enrollment Type	Invitation Only
Location	Online and Colorado Springs, CO

PLEASE NOTE: This is a blended course. Completion of the online portion is required prior to attending the ten-day in-residence portion within the same class iteration.

SPTC is a space education course that will produce Space Planning Team (SPT) graduates prior to their field engagements. SPTs are selectively manned planning teams aligned to specific geographic regions to enhance organic USSF Service component capacity during contingencies and tier 1 exercises.

After completing, graduates will be able to:

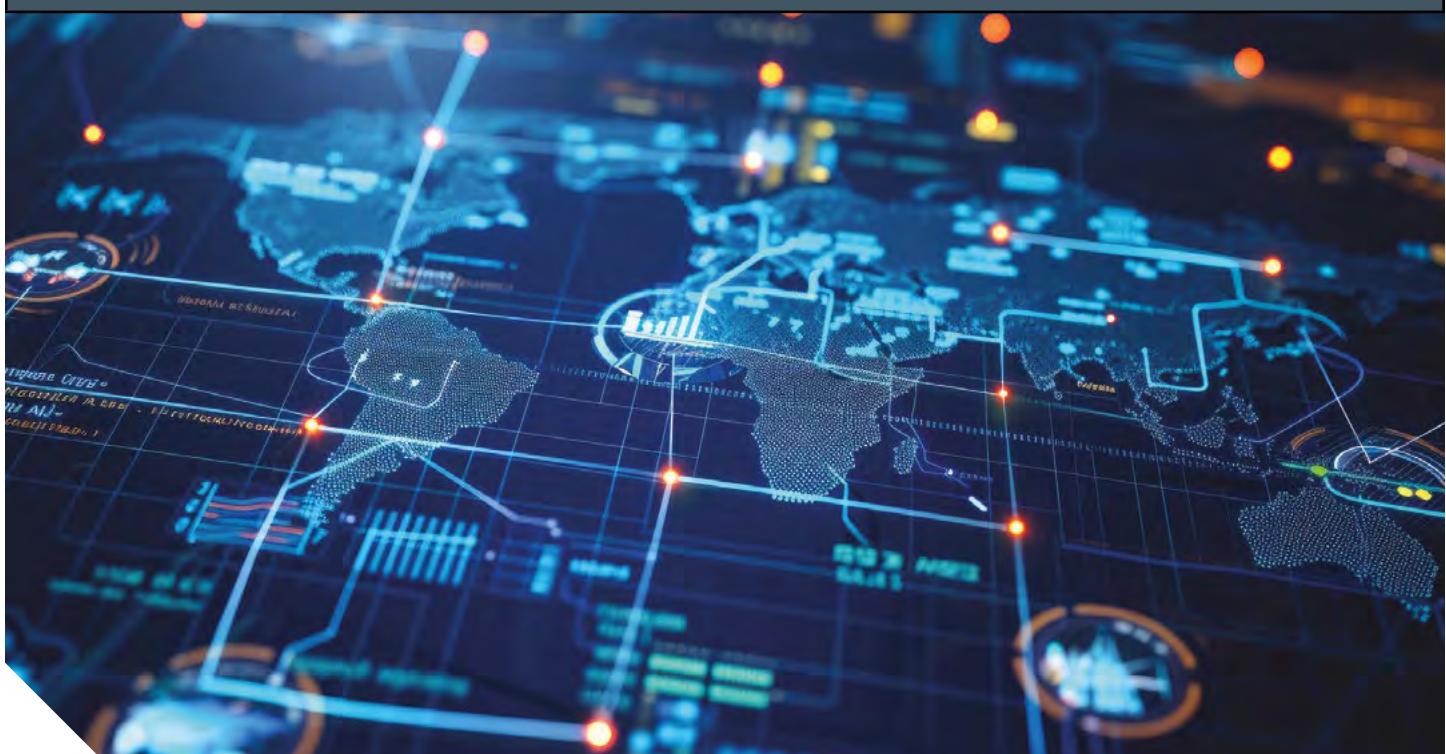
1. Prepare SPT members with the technical and contextual knowledge and skills to support combatant command tier-1 exercises and real-world Service component operations.
2. Prepare SPT members to plan and build component level schemes of maneuver, writing mission type orders, executing the joint targeting to synchronize Fires, and integrate theater space operations into CCMD battle rhythms.
3. Introduce SPT members to the organizations, processes, products, and systems they will be exposed to during exercises and events.
4. Familiarize SPT members with the joint and space planning processes, as well as with the associated effects.



CoPD

SPTC

Student Body	SPT members will be sourced from all USSF FLDCOMs, DRUs, and staffs to capitalize on Guardians' diversity of experience. SPTs supporting real-world operations will be staffed primarily by personnel from staff and institutional forces. Members from SPAFORGEN units may participate when supporting exercises to achieve advanced training objectives if the losing commander determines such training enhances the Guardian's readiness within their cycle and participation does not disrupt availability in the Commit phase.
Eligibility Criteria	All USSF FLDCOMs, DRUs, and staffs. Members from SPAFORGEN units may participate. Selection of personnel for SPT participation and training will be a function of availability, mission expertise and background, USSF Service component requirements, and rank.
Enrollment Process	Nominations are to be in response to HQSF S35 TMT call-up.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



COLLEGE OF SPACE WARFARE



The College of Space Warfare (CoSW) delivers worldwide responsive and relevant space professional continuing education to members of U.S. Space Command (USSPACECOM), the DoD, and International partners, enabling them to counter threats, strengthen relationships, posture for combat readiness, and expand their warfighting advantage in a contested, joint space domain.

CoSW

ABBREV.	COURSE NAME	TYPE	LENGTH	OFFERINGS/YR
ITJS	Introduction To Joint Space	DL	40h over 4w	12
JSPC	Joint Space Planners Course	Blended	DL portion: 11h over 4w + IR portion: 10d	5
JISTC	Joint Integrated Space Team Course	IR	10d	4
CSpC	Coalition Space Course	IR	10d	2
		MET	10d	2
SIFC	Space Intelligence Fundamentals Course	IR	5d	6
SFC	Space Familiarization Course	DL	8h over 4w	12
OW100	Orbital Warfare 100	IR	5d	4
		DL	40h over 6w	4
		MET	5d	4
OW200	Orbital Warfare 200	IR	5d	4
FAST	Fundamental Application of Space Targeting	IR	5d	4
		DL	40h over 6w	4
		MET	5d	4
JSTC	Joint Space Targeting Course	IR	5d	4
SDI 101	Space Design and Innovation 101 Course	IR	5d	4
		MET	5d	4
SSCIC	Space-SOF-Cyber Innovation Course	Blended	DL portion: 30h over 5w + IR portion: 5d	4

Current as of 20 Jun 2025 - Academic days are Monday-Friday

Key: *IR* = In-residence, *DL* = Distance Learning, *Blended* = DL followed by IR, *MET* = Mobile Education Team

INTRODUCTION TO JOINT SPACE

Classification	Unclassified
Course Type	Distance Learning
Course Length	40 Hrs over 4 Weeks
Offerings Per Year	12 (200 stu per class)
Enrollment Type	Open Application
Location	Online

ITJS is a self-paced, online fundamentals course for all branches of service and government agencies, as well as select partner nations. It provides education for personnel and end-users with little or no exposure to space operations. The course covers a wide range of topics from space history to future systems.

IMPORTANT NOTE: Students who attend ITJS are not eligible to take SP100 and vice versa.

After completing, graduates will:

1. Know basic scientific concepts and terminology associated with space operations.
2. Know the principles of operating in space and how those principles influence space operations.
3. Know how space capabilities support Joint operations.

This course was previously known as "Introduction To Space (ITS)."



CoSW

ITJS

Student Body	Members from all services, government agencies, and select partner nations who are not eligible (required) for SP100 enrollment. Most participants will have very limited space knowledge and experience.
Eligibility Criteria	Students in the following AFSCs are NOT eligible for ITJS and must apply for SP100: 14N/1N-Intel (outside USSF), 15W/1W/5Z-Weather, 17D/3D/5C/5Z-Cyber, 61X, 62X, 63X, 64X, 65X – Science, Engineers, Acquisitions, Contracting, Finance, 2M0-Space_Missile Maintenance/5Z, 9S1-Scientific App Specialist/5Z, and applicable Government Civilian Equivalents. Students who have successfully completed the Space Operations Course (SOC), Space Fundamentals Course (SFC), Space Warfighter Intelligence Fundamental Training Unit (SWIFTU), or Space 100 (SP100) are not eligible to take Introduction To Joint Space (ITJS). Contractors are not eligible.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



JOINT SPACE PLANNERS COURSE

Classification	TS//SI//TK//REL FVEY
Course Type	Blended (DL/IR)
Course Length	DL: 11 Hrs over 4 Weeks IR: 10 Days
Offerings Per Year	5 (24 stu per class)
Enrollment Type	Open Application
Location	Online and Colorado Springs, CO

PLEASE NOTE: This is a blended course. Completion of the online portion is required prior to attending the ten-day in-residence portion within the same class iteration.

JSPC is a course designed for military and civilian members from the United States and select partner nations destined for, or currently filling, space planning billets. JSPC graduates will be able to apply the operational art and operational design model to the Joint planning process for the space warfighting domain. In addition, graduates will be able to construct an Operation Order (OPORD) from the course of action selected during the Joint planning process.

After completing, graduates will be able to:

1. Analyze a strategic environment in the space warfighting domain using the operational art and operational design model.
2. Apply the Joint planning process to respond to crisis situation in the space warfighting domain in support of terrestrial domains.
3. Apply the Joint planning process to recommend a course of action with the highest probability of success.

Prerequisite (ONE of the following): Space 100 (SP100), Introduction To Joint Space (ITJS), Undergraduate Space Training (UST), Army Space Cadre Basic Course, or national equivalent (e.g. Canadian Space Operational Course).



CoSW

JSPC

JSPC	
Student Body	U.S. and FVEY partners that will be assigned to space billets within U.S. and FVEY organizations.
Eligibility Criteria	SPACECOM/J7 and USSPACECOM planners within the command to include CFSCC and JTF-SD have priority. U.S. Joint and FVEY military and government civilian student candidates who are in or en route to space planning billets are given selection priority for the Joint Space Planners Course (JSPC). Other U.S. Space Force, Joint, and FVEY candidates in operational/strategic commands are secondary priority. All others will be selected on a space available basis.
Enrollment Process	The J7 selection board meets and selects students based on specific criteria.
Nomination Contacts	Registrar Email: NSSIRg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



JOINT INTEGRATED SPACE TEAM COURSE

Classification	TS//SI//TK//NF
Course Type	In-residence
Course Length	10 Days
Offerings Per Year	4 (12 stu per class)
Enrollment Type	Open Application
Location	Colorado Springs, CO



CoSW

JISTC is a course that provides space education for U.S. personnel that are/will be assigned to USSPACECOM Joint Integrated Space Teams. The purpose of the course is to produce graduates who can assess, plan, and integrate space capabilities in support of Joint operations. The students will integrate space capabilities and equities within plans and operations at CCMDs, assess the strategic environment, and identify the actions and capabilities required to gain and maintain space superiority and provide space support to operations in all domains.

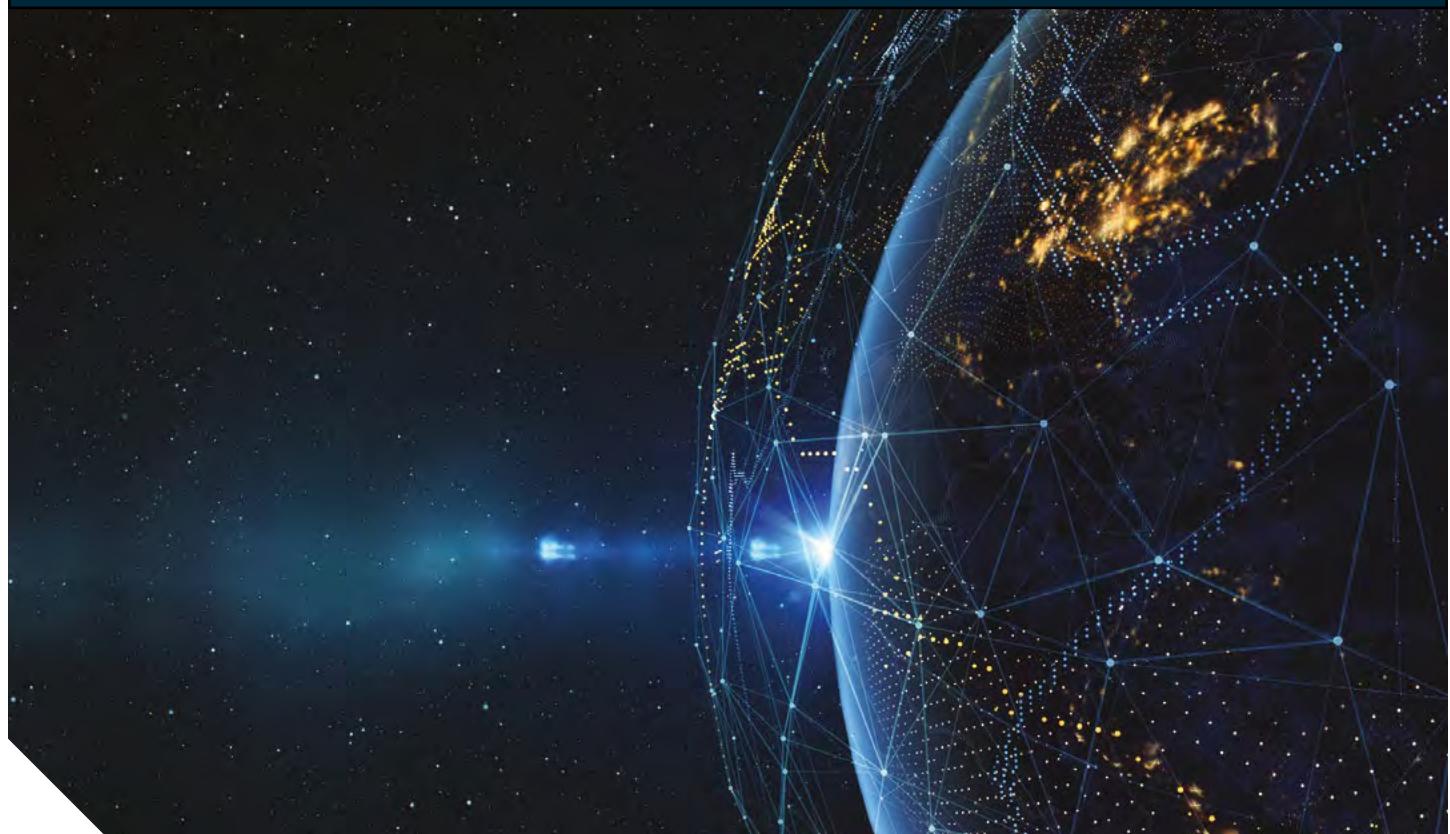
After completing, graduates will be able to:

1. Understand how a CCMD organizational construct functions and how USSPACECOM is configured to both fight and integrate with other CCMDs.
2. Understand how the JIST integrates USSPACECOM and host CCMD functions (e.g., intelligence threat assessments and space capability requirements).
3. Understand the JIST's role during USSPACECOM CDR/DCDR's travels to the host CCMD, its subcomponents or within the host CCMD's AOR.
4. Summarize each CCMD's responsibilities as codified in the Unified CommandPlan (UCP), its protection of space capabilities, how it integrates space assets into each CCMD critical and defended asset list (CAL/DAL), and how it addresses the nuances and challenges of defending allied or commercial assets.
5. Interpret the various CCMD plans (e.g., campaign vs. crisis vs. contingency).
6. Understand the targeting process outlined in CJCSI 3370.01C, Targeting Development Standards, and how it applies to space operations and weaponeering capabilities.
7. Understand space operations, activities, and investments and how they are synchronized within a multi-domain environment.
8. Understand and communicate the mutual support relationship between USSPACECOM and the other CCMDs. Effectively integrate CDRUSSPACECOM UCP-assigned responsibilities and capabilities into the host CCMD plans and operations along with host CCMD support to USSPACECOM.
9. Understand the JIST's role in Security Cooperation.
10. Effectively incorporate USSPACECOM and host CCMD space-related objectives and lessons learned into USSPACECOM and host CCMD exercises.

JISTC

Prerequisite (ONE of the following): Space 100 (SP100), Introduction To Joint Space (ITJS), or other service-level equivalent course.

Student Body	U.S. personnel that are/will be assigned to USSPACECOM Joint Integrated Space Team (JIST), with potential growth to additional U.S. space organization members in the future.
Eligibility Criteria	U.S. Space Command (USSPACECOM) military and civilian personnel who are in, or en route, to USSPACECOM Joint Integrated Space Team (JIST) are given selection priority for the Joint Integrated Space Team Course (JISTC). Members of Ops centers such as the NSDC, CSpOC, and the USSPACECOM JOC are also given selection priority. All others will be selected on a space available basis.
Enrollment Process	The J7 selection board meets and selects students based on specific criteria.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



COALITION SPACE COURSE

Classification	Unclassified
Course Type	IR & MET
Course Length	IR/MET: 10 Days
Offerings Per Year	IR/MET: 2 (24 stu per class)
Enrollment Type	IR: Open Application MET: By Request Only
Location	IR: Colorado Springs, CO MET: Provided by Host

CSpC is a course for U.S. and partner space professionals. It develops space professionals to have the foundational knowledge required to assess, operate in, and defend the space domain. Students will gain an understanding about coalition partner's space system capabilities and how they conduct space operations. Students will be challenged to think critically about the application of space resources while actively participating in exercises designed to simulate the dynamic and uncertain nature of the space environment and satellite operations from a coalition mindset.

After completing, graduates will be able to:

1. Comprehend partner space mission areas and identify impacts to terrestrial air, land, and sea warfighting operations.
2. Apply mitigation strategies and prepare options using partner capabilities for preserving friendly use of the space domain.
3. Study a strategic space environment and apply partner actions to employ and successfully operate in a contested space domain.

Prerequisite (ONE of the following): Space 100 (SP100), Introduction To Joint Space (ITJS), Undergraduate Space Training (UST), Army Space Cadre Basic Course or national equivalent (e.g. Canadian Space Operational Course).



CoSW

CSpC

CSpC	
Student Body	Military and civilian members of the U.S. DoD and military and civilian members of select partner nations' Ministries of Defense. This will consist of the United States and select partner nations.
Eligibility Criteria	U.S. Joint, FVEY, French, German, and Japanese military and government civilian student candidates in or developing space units/billets are given selection priority for the Coalition Space Course (CSpC). All others will be selected on a space available basis. Mobile course student selection will be coordinated with the nation hosting the mobile course.
Enrollment Process	The J7 selection board meets and selects students based on specific criteria.
Nomination Contacts	Registrar Email: NSSIRg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



SPACE INTELLIGENCE FUNDAMENTALS COURSE

Classification	TS//SI//TK//REL FVEY
Course Type	In-residence
Course Length	5 Days
Offerings Per Year	6 (24 stu per class)
Enrollment Type	Open Application
Location	Colorado Springs, CO



CoSW

SIFC is a course that teaches intelligence personnel fundamentals of the space environment, space and in-

telligence policy and guidance, space intelligence functions, space operations, and threats to U.S. and partner interests in space. Students integrate intelligence with operations from a combatant command perspective. SIFC provides intelligence personnel directly supporting space operations, familiarity with current space capabilities, and systems supporting Joint functions and space operations, threats to these systems, and how to integrate capabilities into Joint operations to support the warfighter.

After completing, graduates will:

1. Know how basic scientific principles of space operations impact Intelligence, Surveillance, and Reconnaissance (ISR) operations, as well as how space law, treaties, policy, and strategies shape space intelligence activities.
2. Know how space intelligence collection capabilities support terrestrial operations and how terrestrial ISR capabilities can support space operations.
3. Comprehend how adversarial counter-space capabilities could hinder partner space-related ISR operations and explain techniques to mitigate these effects.
4. Comprehend space threat engagement and Joint Intelligence support to space operations, intelligence processes required to plan, integrate, and execute intelligence support for space operations.

Prerequisite (ONE of the following): Space 100 (SP100), Introduction To Joint Space (ITJS), Undergraduate Space Training (UST), Army Space Cadre Basic Course (ASCBC), Space 200 (SP200), Space 300 (SP300), Space Power Discipline - Military Intelligence 100 (SPD-MI 100), or the legacy Space Warfighter Intelligence Formal Training Unit (SWIFTU).

SIFC

Student Body	U.S. Space Command intelligence military and civilian personnel who are assigned to intelligence billets, or who are part of the space intelligence enterprise providing support to U.S. Space Command and space operations, as well as FVEY partners.		
Eligibility Criteria	Students will be prioritized based on their direct support to space operations; USSPACECOM J2 and its components to include; military, civilian members of the U.S. Department of Defense and Intelligence Communities (IC), contractors (in direct support to USSPACECOM, provided training is not offered commercially), as well as military and civilian members of partner nations' Intelligence Communities. Partner nations will consist of United States, United Kingdom, Canada, Australia, and New Zealand. Generally, these students will have some intelligence background, but very limited space background. Course content pertaining to space threats and engagement will be modularized to allow instruction to J3, J6, personnel and other USSPACECOM components.		
	OFFICER Typically O-3 and above	ENLISTED Typically E-5 and above	CIVILIAN Typically GS/GG-11 and above
Enrollment Process	Selections for students are based on Eligibility Criteria listed above. USSPACECOM J2 have priority selection. Other seats filled on a space available basis. NSSI Registrar will notify applicants of selection status.		
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil		



SPACE FAMILIARIZATION COURSE

Classification	Unclassified
Course Type	Distance Learning
Course Length	8 Hrs over 4 Weeks
Offerings Per Year	12 (50 stu per class)
Enrollment Type	Open Application
Location	Online

SFC is a self-paced, online familiarization course. It provides U.S. and partner non-space professionals with the basic concepts of the space warfighting domain and space missions. This course will provide non-space personnel with basic concepts of space operations, terminology, history, culture, and other key topics. Emphasis will be placed on the history, importance, and impacts of space to U.S. warfighting, economy, and national sovereignty.

After completing, graduates will:

1. Know USSPACECOM and Space Force mission, history, culture, organization, and command and control.
2. Know basic scientific concepts and terminology associated with space operations.
3. Know how space capabilities support military warfighters and their importance in modern partner operations.



CoSW

SFC

Student Body	Members from all services, government agencies, and select partner nations who require basic space concepts familiarization. Most participants will have no entering space knowledge or experience.
Eligibility Criteria	U.S. Space Command (USSPACECOM), U.S. Space Force (USSF), U.S. Joint Services, and select partner nations who are non-space military and civilian personnel. The following AFSCs are NOT eligible for SFC and must apply for SP100: 13S/1C6, FA40s, 14N/1N-Intel (outside USSF), 15W/1W/5Z-Weather, 17D/3D/5C/5ZCyber, 61X, 62X, 63X, 64X, 65X – Science, Engineers, Acquisitions, Contracting, Finance, 2M0-Space_Missile Maintenance/5Z, 9S1-Scientific App Specialist/5Z, and applicable Government Civilian Equivalents. USSF Intel Personnel must register for ITJS. Students who have successfully completed the Space Operations Course (SOC), Introduction To Joint Space (ITJS), Space Warfighter Intelligence Fundamental Training Unit (SWIFTU), or Space 100 (SP100) or other Joint/national introductory space courses are not eligible to take Space Familiarization Course (SFC). Contractors are not eligible.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIRg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



ORBITAL WARFARE 100

Classification	Unclassified
Course Type	IR, DL, & MET
Course Length	IR/MET: 5 Days DL: 40 Hrs over 6 Weeks
Offerings Per Year	IR/DL/MET: 4 (24 stu per class)
Enrollment Type	IR/DL: Open Application MET: By Request Only
Location	IR: Colorado Springs, CO DL: Online MET: Provided by Host

OW100 is a course that lays the requisite foundation to understanding the “whys” of orbits. This course will teach the student how to calculate the Classical Orbital Elements (COEs) from data collected from a Satellite Surveillance Network (SSN) Site. Then the course will lead the student to deep understanding of the COEs, causes of orbital perturbations, and how COE changes affect satellites (Target and Chase) in an orbital engagement scenario. Lastly the course will introduce planning for orbital engagements and operations in the Radial, In-track, and Cross-track (RIC) Reference Frame. Graduates of OW100 will be ready for the follow-on course Orbital Warfare 200 (OW200).

After completing, graduates will be able to:

1. Effectively communicate the foundational principles of orbital operations.
2. Apply the necessary math (sines, cosines, spherical trig, and vector cross/dot products) to calculate Classical Orbital Elements and launch windows.
3. Apply the foundational knowledge of the COEs to explain actions in an orbital engagement scenario.
4. Understand the basic principles for planning and executing an orbital engagement.
5. Sign up for OW200.

Prerequisite (ONE of the following): Space 100 (SP100), or Introduction To Joint Space (ITJS), or a service-level, national or North Atlantic Treaty Organization (NATO) course equivalent (e.g. NSO N3-01 Space Support to NATO Operations).

This course was previously known as the “Fundamentals of Orbital Operations Course (FOOC).”



CoSW

OW100

Student Body	Members from all services, government agencies and select partner nations who require intermediate knowledge level orbital operations education, including, but not limited to, USSPACECOM J2, J3, JOC, NSDC, CSpOC, SSDP, and similar partner national equivalents. Students are required to have prior space education, having completed either SP100 or ITJS or service-level, national or NATO equivalent (e.g. USA SOOQC or NATO N3-01 Space Support to NATO Operations) prior to OW100 attendance.
Eligibility Criteria	U.S. Space Command (USSPACECOM), U.S. Space Force (USSF), U.S. Joint Services, and select partner nations space military and civilian personnel who require an intermediate knowledge level of orbital operations principles and physics. Contractors are not eligible.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



ORBITAL WARFARE 200

OW200 is a course designed to educate space professionals in all aspects of orbital warfare. In addition to a study of general on-orbit operations, support and threats from all warfighting domains are analyzed and balanced against policy, legal, and doctrinal considerations.

After completing, graduates will be able to:

1. Apply understanding of basic Orbital Warfare (OW) operations in Earth orbital regimes.
2. Identify how deception, disruption, denial, degradation, and destruction are used in OW operations.
3. Analyze the role of offensive and defensive space control in OW operations.
4. Analyze the impact of legal consideration to OW operations.
5. Understand the impact of cyber operations on OW operations.
6. Describe the importance of Space Domain Awareness (SDA) on OW operations.
7. Analyze intelligence operations that support OW and the importance of collaboration and integration with space operations.
8. Understand how ground and space weather impact space operations.
9. Understand threats to space systems.
10. Apply basic physics, operations considerations, and Tactics, Techniques, and Procedures (TTPs) to a national orbital warfare scenario.

Prerequisites: Students will be required to complete the first part of the orbital warfare curriculum, the Orbital Warfare 100 (OW100) prior to registering. **Additionally**, ONE of the following: Space 100 (SP100), or Introduction To Joint Space (ITJS), or a service-level, national or North Atlantic Treaty Organization (NATO) course equivalent (e.g. NSO N3-01 Space Support to NATO Operations).

This course was previously known as the “Concepts of Orbital Warfare Course (COWC).”

Classification	TS//SI//TK//REL FVEY
Course Type	In-residence
Course Length	5 Days
Offerings Per Year	4 (24 stu per class)
Enrollment Type	Open Application
Location	Colorado Springs, CO



CoSW

OW200

Course Overview	
Student Body	Members from all services, government agencies, and FVEY nations who require orbital warfare education, including, but not limited to, USSPACECOM J2, J3, JOC, NSDC, CSpOC, SSDP, and similar service and FVEY national equivalents. Students are required to have completed OW100 prior to attendance.
Eligibility Criteria	U.S. Space Command (USSPACECOM), U.S. Space Force (USSF), U.S. Joint Services, and Five Eye (FVEY) nations space military and civilian personnel who require a broad study of all facets and considerations associated with orbital warfare, including threats, policy, legal, and doctrinal considerations. Contractors are not eligible.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIRg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



FUNDAMENTAL APPLICATION OF SPACE TARGETING COURSE

Classification	Unclassified
Course Type	IR, DL, & MET
Course Length	IR/MET: 5 Days DL: 40 Hrs over 6 Weeks
Offerings Per Year	IR/DL/MET: 4 (24 stu per class)
Enrollment Type	IR/DL: Open Application MET: By Request Only
Location	IR: Colorado Springs, CO DL: Online MET: Provided by Host

FAST is a course that develops space professionals who understand Joint doctrine and its application to targeting, fires, and space operations. Students will gain a foundational understanding of the unique nature of targeting in the space domain and Joint fires engagement.

After completing, graduates will be able to:

1. Demonstrate understanding of Joint Doctrine covering targeting, fires, and space operations.
2. Comprehend unique aspects of the space domain that affect Joint targeting and fires.

Prerequisite (ONE of the following): Space 100 (SP100), or Introduction To Joint Space (ITJS), or a service-level, national or North Atlantic Treaty Organization (NATO) course equivalent (e.g. NSO N3-01 Space Support to NATO Operations).



CoSW

FAST

Student Body	Members from all services, government agencies, and select partner nations who require fundamental level understanding of targeting processes and relation to space operations, including, but not limited to, those in support of the Joint Fires Element, Intelligence Directorate, other headquarters/components (CFSCC, JTF-SD, NSDC, etc.) involved in targeting and similar partner national equivalents. Students are required to have prior space education, having completed either SP100 or ITJS or service-level, national or NATO equivalent (e.g. USA SOOQC or NATO N3-01 Space Support to NATO Operations) prior to FAST attendance.
Eligibility Criteria	U.S. Space Force (USSF), U.S. Joint Services, and U.S. Space Command (USSPACECOM) personnel and select partner nations space military and civilian personnel who require a greater understanding of the targeting processes and their relation to space operations. Contractors are not eligible.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



JOINT SPACE TARGETING COURSE

Classification	TS//SI//TK//REL FVEY
Course Type	In-residence
Course Length	5 Days
Offerings Per Year	4 (24 stu per class)
Enrollment Type	Open Application
Location	Colorado Springs, CO

JSTC is a course that produces space professionals who understand the unique aspects involved in space targeting and Joint fires engagement. Students will be able to apply knowledge of Joint doctrine to space capabilities and develop options for achieving offensive and defensive space control.

Graduates will demonstrate understanding of the unique USSPACECOM targeting process to various real world situations, apply Joint Targeting and Fires Doctrine to the space warfighting domain to achieve space superiority and support other domains in the Joint fight. Finally graduates will apply Joint Space, Joint Fires, and Joint Targeting Doctrine in combination with knowledge of space operations to create target lists that provide the CCMD options for OSC/DSC in different phases of conflict.

After completing, graduates will be able to:

1. Demonstrate understanding of the USSPACECOM targeting process and how it integrates into other Combatant Commands.
2. Apply the targeting process to space capabilities and develop options within those capabilities to establish offensive and defensive space control.
3. Delineate roles and responsibilities within the USSPACECOM targeting process.

Prerequisites: Students will be required to complete either the first installment of the space targeting curriculum in the Fundamental Application of Space Targeting (FAST) course , or Australia's Air Targeting Operations Course (ATOC). **Additionally**, ONE of the following: Space 100 (SP100), or Introduction To Joint Space (ITJS), or a service-level, national or North Atlantic Treaty Organization (NATO) course equivalent (e.g. NSO N3-01 Space Support to NATO Operations).



CoSW

JSTC

Student Body	Members from all services and government agencies who require Joint space targeting education, including, but not limited to, USSPACECOM J2, J3, JOC, NSDC, CSpOC, SSDP, and similar service equivalents. Students are required to have completed FAST prior to attendance.
Eligibility Criteria	U.S. Space Command (USSPACECOM), U.S. Space Force (USSF), U.S. Joint Services, and civilian personnel who require a detailed understanding of space targeting and Joint fires engagement, including Joint doctrine, offensive and defensive space control. Contractors are not eligible.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIRg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



SPACE DESIGN AND INNOVATION 101 COURSE

Classification	Unclassified
Course Type	IR & MET
Course Length	IR/MET: 5 Days
Offerings Per Year	IR/MET: 4 (24 stu per class)
Enrollment Type	IR: Open Application MET: By Request Only
Location	IR: Colorado Springs CO, NCR/ Wash DC, or Vandenberg SFB CA MET: Provided by Host

SDI 101 is a course that develops a design theorist/practitioner space innovation network within U.S. Space Command and associated military space organizations. It is not a planning or decision-making course, but provides an approach that helps organizations to better appreciate complex situations, realize systemic challenges and issues within their organization, consider space adversaries and competitors differently in order to develop new ideas for managing and acting in these difficult situations. Design inquiry is particularly relevant when considering the development of strategies and plans design, as well as organizational transformation. It uses a systemic approach to enhance continual learning and transformation. Systemic design is not a replacement for existing planning processes such as the Joint Operational Planning Process (JOPP) or operational design (campaign planning and strategy). Systemic design is an activity that precedes and accompanies any decision-making process so that the organization makes sense of complex space challenges in a more informed and innovative manner to gain unrealized advantages and opportunities.



After completing, graduates will be able to:

1. Synthesize the concepts, philosophies, and processes of framing and reframing using systemic design toward a complex space security challenge.
2. Gain new capabilities for innovative thought and action toward complex space & security challenges.



CoSW

SDI 101

Student Body	Mid-level military and civilian members of the U.S. Space Command, service components, and external agencies.
Eligibility Criteria	Students will be mid-level military and civilian members of the U.S. Space Command as first priority, and service components and external agencies as second priority. Foreign classes would take place as third priority on a case-by-case basis.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



SPACE-SOF-CYBER INNOVATION COURSE

Classification	Unclassified to TS//SCI//REL US
Course Type	Blended (DL/IR)
Course Length	DL: 30 Hrs over 5 Weeks IR: 5 Days
Offerings Per Year	4 (24 stu per class)
Enrollment Type	Open Application
Location	Online and Colorado Springs, CO

PLEASE NOTE: This is a blended course. Completion of the online portion is required prior to attending the five-day in-residence portion within the same class iteration.

SSCIC examines the unique synthesis of Space, Special Operations, and Cyber in complex, emergent warfare contexts—further specified under hybrid and irregular war constructs. SSCF provides targeted Combatant Command (USSPACECOM, USSOCOM, and USCYBERCOM) members and Services with design immersion in a blended learning environment focused on Joint, multi-domain operations, and specifically the intersection between space, special operations, and cyberspace for the Joint Force. While students may already have some experience in one of these areas, this course provides foundational education and core concepts across the space-special operations-cyber framework for conflict, generating deeper understanding of how each of these interplay within modern and technologically sophisticated security conditions, particularly in Irregular Warfare (IW) contexts and applications.

Attendees receive foundational awareness of space, SOF, and cyber organizations, domains, activities, and operations, and how, in irregular warfare contexts, those interrelate across joint multi-domain operations spanning several Combatant Commands. The course further explores and challenges associated contemporary framings of warfare and examines Space-SOF-Cyber combinations in an emergent irregular warfare environment. Employing military design as the primary pedagogic approach to this education, the course exposes students to military design methodologies and design team functionality to address complex, multi-domain, operational problem-sets and challenges posed by actors operating against U.S. strategic security interests below the threshold of conventional armed conflict.



CoSW

SSCIC

This course spans six weeks. The first five weeks consist of distance learning, asynchronous instruction and activities, with each week culminating in a live NSSI-facilitated synchronous discussion via Zoom/Teams. The sixth week consists of a 5-day in-residence classroom program in Colorado Springs, Colorado.

After completing, graduates will be able to:

1. Remember and Understand how Space, SOF, and Cyber elements can utilize alternative planning and decision-making models compared to conventional, convergent military decision-making methodologies, particularly in hybrid or irregular warfare contexts where a space-special operations-cyber context is principal in how the conflict manifests.
2. Participate as part of a Space, SOF, and Cyber design, strategic planning, or operational planning team to help generate a synthesis of cohesive and comprehensive innovation deliverables to apply against command-sponsored problem sets.
3. Understand fundamentals of complexity theory for out-thinking and out-competing adversaries in the context of Strategic Competition and/or Irregular Warfare, with a focus on how the Triad construct enables or unlocks otherwise unrealized, unimagined opportunities.
4. Understand fundamentals of Space, SOF, Cyber, and military design and innovation in order to be effective at collaborative problem solving, design, and innovation methods.
5. Apply and create integrated Space-SOF-Cyber deliverables to a strategic sponsor for ill-structured problems and systemic challenges.
6. Apply key relationships and human/community of practice networks between and across relevant Space, SOF, and Cyber institutions (DoD, Commercial, Civilian, etc.) to facilitate engagement and provide access points for featured command members.



SSCIC

Classification Note: To ensure maximum participation and flexibility in venues and modalities, SSCIC is offered at the UNCLASSIFIED level. However, given the unique nature of collective Space-SOF-Cyber capabilities, activities, and operations, and what their application might look like when combined in novel and innovative ways; as well as stakeholder CCMDs' interest in leveraging student teams' outputs against dynamic present-world challenges, the in-residence phase of the course may require to be conducted at higher levels of classification (up to TS//SCI) to ensure students have the ability to think creatively and critically in response to the CCMD sponsored problem-set being addressed.

Applicants will be required to identify their level of clearance during registration. Note: Possessing a TS//SCI clearance is NOT a requirement for course registration and/or selection. Collection of clearance level is for course planning purposes only.

This course was previously known as "Space-SOF-Cyber Foundations Course (SSCFC)."

SSCIC Course Overview	
Student Body	To achieve exceptional joint, all-domain synthesis, student composition of each course will seek a 33%+4 representation, meaning 33% representation of military and civilian members of the USSPACECOM, USCYBERCOM, and USSOCOM; those commands' respective service components and/or associated agencies; plus 4x seats reserved for USG interagency members. Though not required, students are encouraged to have attended Space Design & Innovation 101 (SDI 101).
Eligibility Criteria	First priority students must be military or civilian members of one of the three targeted Combatant Commands (USSPACECOM, USCYBERCOM, or USSOCOM), to include those commands' respective service components and/or associated agencies. All others are selected/accepted on space available basis and/or distribution shortfall of student functional subject area (i.e., SOF, Cyber, or Space). All student selection will be service agnostic across the three CCMDs.
Enrollment Process	This is an open application course, contact NSSI Registrar for more information.
Nomination Contacts	Registrar Email: NSSIrg@spaceforce.mil NSSI Public Site: https://nssi.spaceforce.mil



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NSSI
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EDUCATING AND INSPIRING SPACE WARRIORS AND LEADERS

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COURSE CATALOG



ACADEMIC YEAR 2025

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