

# National Security Space Institute

<https://nssi.spaceforce.mil>

# ANNUAL REPORT



ACADEMIC YEAR 2024

Oct 2023 to Sep 2024

## OVERVIEW

The annual report utilizes qualitative and quantitative data to showcase organizational accomplishments; personnel; course demographics and evaluations; and education facilities. It is released to general officers to inform and educate as well as provide insight into the institute's reputation in the space community.



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## DISCLAIMER

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# LETTER FROM THE DIRECTOR


Academic Year 2024 (AY24) brought significant change to the **National Security Space Institute (NSSI)** along with the rest of STARCOM and the USSF, as the service sought to reoptimize for great power competition. Many courses went through an operational pause as NSSI reevaluated resource allocation to support this DoD-wide effort. Through the process, we communicated the value of providing professional continuing education to Guardians, Joint, and International partners, along with other U.S. government entities. I'm proud to say NSSI emerged from this reevaluation with a continued commitment to develop graduates with the intellectual capacity and agility to deter conflict, defend capabilities, and defeat aggression in the space domain. As part of this reevaluation, NSSI expanded its STARCOM mission beyond its traditional education efforts to also include a small portion of the command's training mission. Our education course offerings encountered changes as the year progressed, but many of our cornerstone courses, venerated among our graduates, will continue for the foreseeable future. We also forecast new opportunities to grow our course offerings for both USSF and USSPACECOM.

This year, your NSSI added three new courses to the portfolio: Space Warfighter Prep Course (SWPC) for USSF; Space, Special Operations Forces, and Cyber Foundations Course (SSCFC) for USSPACECOM; and Introduction to Joint Space (ITJS), also on behalf of USSPACECOM. Additionally, NSSI received joint accreditation for its Fundamental Application of Space Targeting, Joint Space Targeting, and Joint Space Planners courses. Graduates of these courses, as well as NSSI Space 200 and Space 300, receive points toward designation as a Joint Qualified Officer (JQO). The certification distinguishes the NSSI as an accredited Institution of Higher Education and allows the NSSI to offer programs of study for any service member enrolled in the Joint Services program.

In another nod to the impact of the NSSI, Space Force Component Field Commands (C-FC) requested our ex-

pertise to assist with theater space education requirements. Beginning in October 2023, we established two liaison positions: one for SPACEFOR-INDOPACOM and the other for SPACEFOREUR-AF. These liaisons support the C-FC's ability to enhance space knowledge within the C-FC staff, greater CCMD, and other service component staffs. Beyond enhancement of space domain expertise within the CCMDs, these liaisons also help streamline international education requests from the theater, significantly contributing to the NSSI's 692 international student graduates and increasing the number of Partner Nations to 59 and NATO in AY24.

In closing, I'm proud to lead the NSSI's dynamic team of active-duty military, government civilians, and contractors that consistently punches above its weight class in delivering top-notch education to our customers, deservedly earning the **Air & Space Organizational Excellence Award**. As the NSSI celebrates its 20th anniversary in November, I'm confident in this team's ability to deliver the world-class professional continuing education you've come to expect. We continue to believe "Victory begins in the mind" and, therefore, victory begins at your NSSI. Semper Supra!

  
**JAMES E. MOSCHGAT, CIV, USSF**  
 Director, NSSI



*The **Air & Space Organizational Excellence Award**, originally authorized by the SECAF in 1969, recognizes achievements and accomplishments of USAF and USSF organizations or activities.*

# STAR COMMAND ORGANIZATIONAL CONSTRUCT

Space Training and Readiness Command (STARCOM) exists to prepare combat-ready USSF forces to fight and win in a contested, degraded, and operationally limited environment through the deliberate development, education, and training of space professionals; development of space warfighting doctrine, tactics, techniques, and procedures; and the test and evaluation of USSF capabilities.

The USSF has three intermediate-level Field Commands (FIELDCOMs) within its four-tiered organizational structure: Space Operations Command (SpOC), Space Systems Command (SSC), and STARCOM. In order to create a leaner, more agile force, the USSF eliminated two levels of command that exist within the Air Force and now consists of USSF Headquarters (at the Pentagon with the other services), FIELDCOMs, Space Deltas, and Squadrons.

STARCOM was activated as the Space Force's third field command in August 2021. Composed of five subordinate Deltas, STARCOM carries the organizational lineage and heritage of the Space Innovation and Development Center (which was inactivated in 2013).

In May 2023, the Department of the Air Force announced that STARCOM's permanent home would be Patrick Space Force Base, Florida. It also announced that Space Delta 10 would also be moving from the U.S. Air Force Academy to Patrick SFB, that Space Delta 11 would move from Schriever SFB to Kirtland Air Force Base, and that Space Delta 12 would stay at Schriever SFB.



# ABOUT NSSI



NSSI is the Department of Defense's premier source for space professional continuing education, complementing existing space education programs at Air University, Naval Postgraduate School, Air Force Institute of Technology, Johns Hopkins University, and Vosler Non-Commissioned Officer (NCO) Academy.

NSSI coordinates closely with an array of education partners to fulfill its unique mission of providing in-residence, distance learning, blended, hybrid, and mobile space professional continuing education to more than 6,100 DoD students, U.S. government entities, and International partners annually. NSSI is proud to have expanded its international education beyond the Five Eyes Alliance (FVEY) to 59 nations and NATO.

Throughout its twenty-year history, NSSI has continuously evolved, always striving to afford its graduates the best possible learning experience, while solidifying its unique role as the DoD's center of excellence for space professional continuing education. NSSI conducts space professional continuing education supporting space cadre development and general space education for the broader DoD. NSSI also provides education to USSPACECOM through specialty courses ranging from space intelligence fundamentals, joint targeting, and joint planning processes to international coalition education.

NSSI resides on Peterson Space Force Base, Colorado, in the Moorman Space Education and Training Center (SETC), a learning facility named in honor of space warfare pioneer USAF General (Ret.) Thomas S. Moorman, Jr.



# NATIONAL SECURITY SPACE INSTITUTE

## VISION

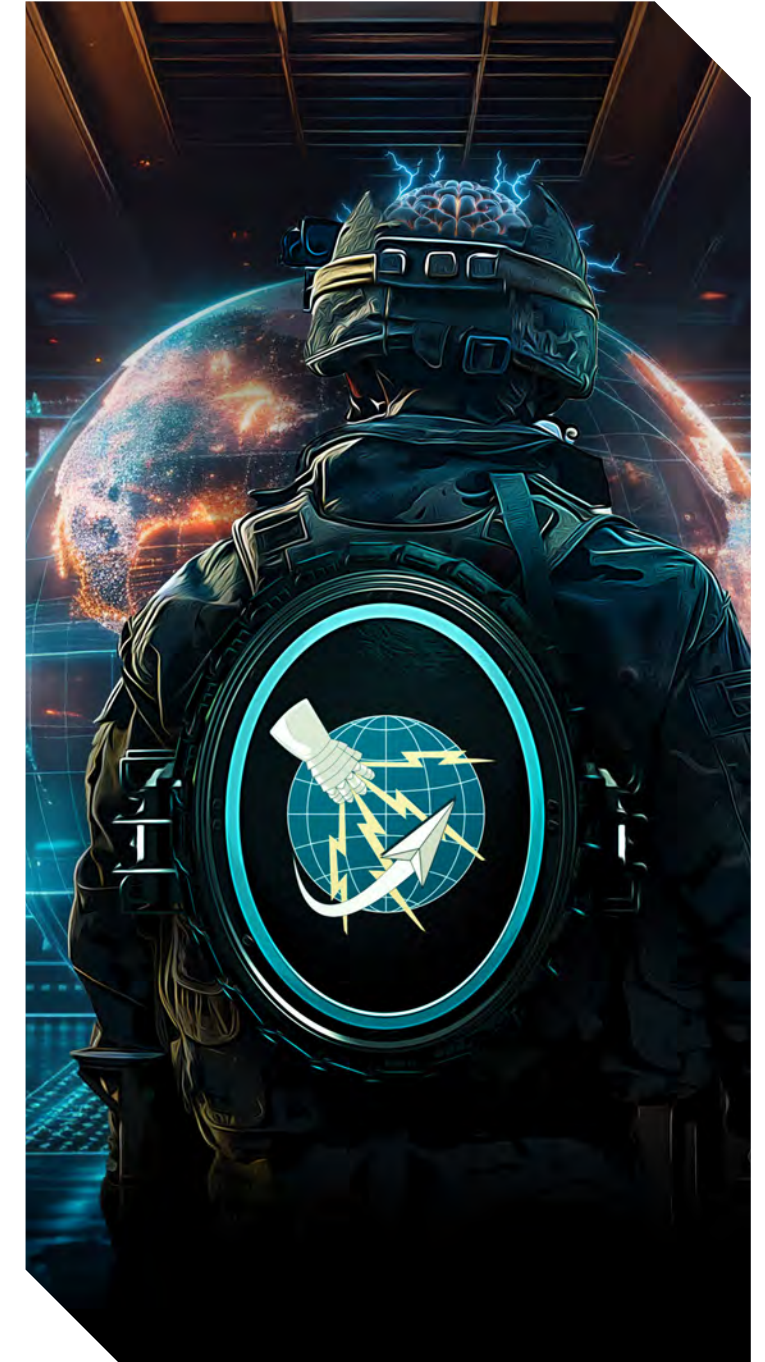
Educating and inspiring **space warriors and leaders.**

## 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



# HISTORY



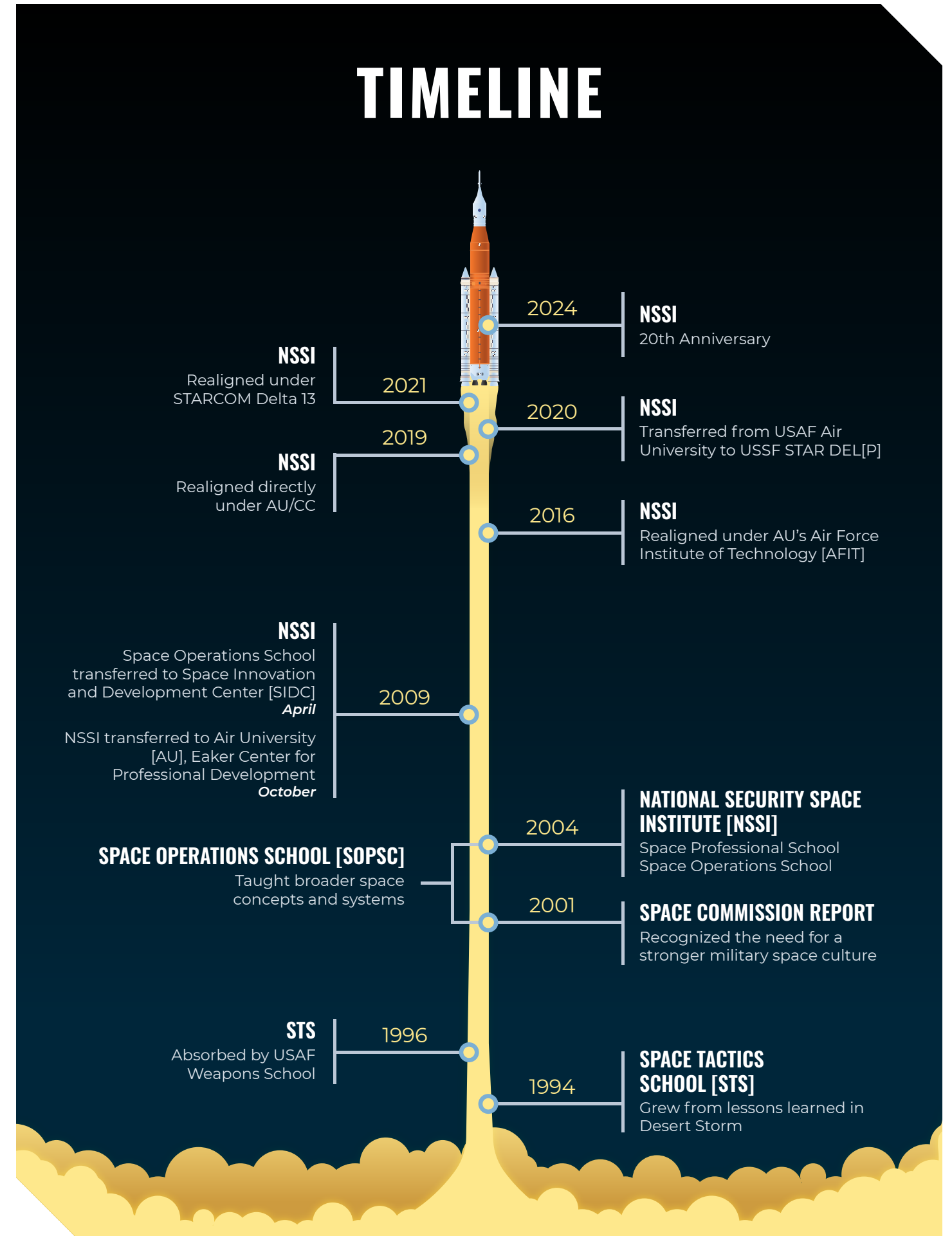
NSSI grew from two pioneer organizations: the Space Tactics School (STS) and the Space Operations School (SOPSC). In existence from 1994-1996 (and later absorbed by the U.S. Air Force Weapons School in 1996), the STS grew from lessons learned in Operation Desert Storm. The two organizations found that campaign planning had not fully leveraged the nation's space capabilities. Initially, the STS filled the void. SOPSC, which ran from 2001-2004, extended beyond the sights of the STS and filled the breach by teaching broader space concepts and systems. The schools conducted a thorough examination of how to educationally prepare and train warfighters and instituted programs that addressed recognized shortfalls.

The Space Commission Report of January 2001 amplified the need for more space education and training, noting the shortfall in growing space professionals at senior leadership echelons. The Commission's report served as a catalyst to help transform the SOPSC into the NSSI, which officially activated in October 2004.

NSSI was created under Air Force Space Command—the predecessor to the United States Space Force—to provide

space education and training to Air Force space professionals and the broader national security space community. Under Air Force Space Command, NSSI's Space Professional School educated space professionals by providing professional continuing education (PCE), and its Space Operations School provided advanced systems training, fundamentals courses, and pre-deployment training. In 2009, the Space Professional School retained the NSSI title and realigned under Air University's Eaker Center for Professional Development; the Space Operations School was renamed the Advanced Space Operations School (ASOPs)—now known as the 319th Combat Training Squadron (319 CTS). In 2016, NSSI realigned under the Air Force Institute of Technology (AFIT), eventually becoming a direct report to the Air University Commander, and then realigned under the United States Space Force (USSF) in July 2020. NSSI is currently aligned under Space Training and Readiness Command (STARCOM)/Delta 13 (Education) and, in 2024, expanded its long-standing education efforts to also include some of the command's training courses.

# TIMELINE



# GOVERNMENT LEADERSHIP

*\* Vacant - Procurement Analyst/Contracting Officer's Representative*



**Mr. James Moschgat**  
Director



**Lt Col Deane Lake**  
Deputy Director



**Ms. Genevieve Cowan**  
Administrative Assistant



**MSgt Matthew Lampman**  
Security Mgr (Acting)/  
Div Chief, Provost



**Capt Tiffany Marshall**  
Asst Dean, CoPD



**Lt Col David Rahl**  
Dean, CoSW &  
Dean, IME



**Capt Charles Burrell**  
Asst Dean, CoSW (Acting)/  
Asst Dir, Academic Affairs



**Ms. Kathleen Farris**  
Deputy Director for  
Acquisition



**Maj Jason Heller**  
Lead Contracting  
Officer's Rep (Acting)



**MSgt Erik Kurz**  
Senior Enlisted  
Leader (Acting)



**TSgt Carey Kirkland**  
NCOIC  
Administration



**TSgt Yeison Gutierrez**  
Flight Chief, CoSW



**Maj Joel Chalmers**  
Director, Academic  
Affairs



**MSgt Casey Johnson**  
Division Chief,  
Academic Affairs



**Maj Cameron Cunningham**  
Division Chief,  
Plans & Programs



**Lt Col Joseph Picariello**  
Provost



**Mr. James Driscoll**  
Assistant Provost



**Maj Bradley Michael**  
Dean, CoPD



**Capt Stanton Maack**  
Asst Dean, CoPD/  
Marine LNO



**Sqn Ldr Louise Page**  
Dep Division Chief,  
Plans & Programs



**CAPT Cory Brummett**  
Navy LNO



**Mr. Donald Reeder**  
Navy LNO



**Ms. Laura Moore**  
Navy LNO

# FACULTY AND STAFF

NSSI employs a diverse workforce of active-duty military, liaison officers (LNOs), government civilians, and civilian contractors dedicated to providing quality education and lifelong learning opportunities. Together, they bring over 380 years of combined NSSI experience, over 1,550 years of combined military experience, and 870 years of combined experience working in education and training. To support NSSI's mission, the team draws on a broad range of experience and education, including 13 active-duty military personnel, 2 LNOs, 1 British foreign exchange officer, 5 civilians, and 79 contractors. USSF or sister services assign NSSI's active-duty military personnel; government civilians are hired through the U.S. civil service personnel system; and contractors are hired following U.S. General Services Administration (GSA) guidelines. Guest speakers are invited on an as-needed basis to support specific educational initiatives. Active-duty military personnel are typically assigned to specific academic support requirements (i.e., as subject matter experts), but some are assigned to support mission and unit administration positions. Contractors fill both educational and support roles.



NSSI faculty members are coached by the onsite instructional systems design (ISD) and faculty development teams to develop and teach curriculum. Curriculum and lesson development is based on the ISD model known as the Analyze, Design, Develop, Implement, and Evaluate (ADDIE) model to ensure proper learning outcomes and delivery methods. These delivery methods create active learning environments focused on higher levels of learning by leveraging various teaching methodologies.

# ACCOLADES

With another strong year, the NSSI was awarded Organization of the Year by Delta 13 and was also a nominee at the STARCOM level. The distinction demonstrates significant impact on the training, education, test, doctrine, exercise, war-games, and aggressor ecosystems within STARCOM and in direct support of the USSF. The faculty also excelled individually in the past year, earning a number of accolades at the Delta level, including:



**Colorado Air & Space Forces Association Annual Award, which recognizes the best of the best in military space operations.**

NCO of the Year: *TSGt Carey Kirkland*, SNCO of the Year: *SMSgt Hanh Le\**,  
CGO of the Year: *Capt Jared Hammer\**, Civilian Cat II of the Year: *Mr. James Driscoll*



**Gene Kranz Leadership Award, which exemplifies the highest level of professionalism, humility, and poise in leading and guiding those in their charge, either assigned or not, or their peers through adversity and challenges both personal and professional.**

Senior Civilian: *Mr. James Moschgat*, Senior Enlisted: *SMSgt Hanh Le\**,  
Senior Officer: *Maj Cameron Cunningham*



**Tuskegee Airmen Inc. National Military Award, which honors military personnel who have demonstrated exceptional competence, leadership, and achievement both on and off duty.**

Chief Master Sergeant Fred Archer Military Award: *SMSgt Hanh Le\**



**National Defense Industrial Association Rocky Mountain Chapter Patriot Award, which recognizes exceptional Americans in service to our country. Selected individuals have demonstrated profound and abiding love of our country and whose inspirational leadership, actions, and selfless dedication symbolize our Nation's values and founding ideals.**

*SMSgt Hanh Le\**



**Mission Support Award, which honors personnel who had a significant impact, either directly or indirectly, in support of the numerous efforts, projects, programs, and initiatives across the entire command or in direct support of the USSF.**

Junior Civilian: *Mr. Joel Beuke\**, Senior Officer: *Maj Jason Heller*



**Training and Education Professional of the Year, which honors personnel who had a significant impact and/or demonstrated significant commitment and effort in the enablement or advancement in the fields of education or training.**

Civilian Enabler Award: *Mr. James Driscoll*, Enlisted Enabler Award: *MSgt Casey Johnson*,  
Officer Enabler Award: *Capt Jared Hammer\**

\* Before 30 Sep 2024, personnel had a permanent change of station or retired.

# CONTRACTOR LEADERSHIP



**Chad Riden | Program Manager  
Sigmatech**

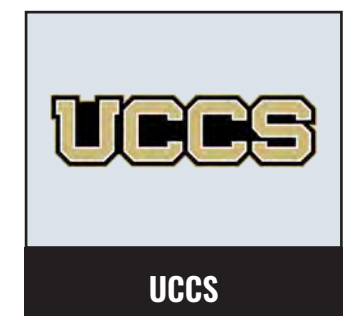
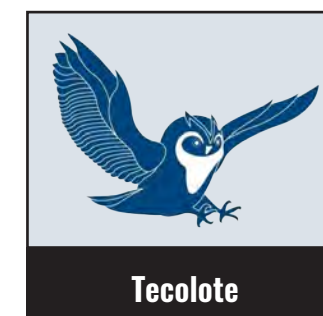
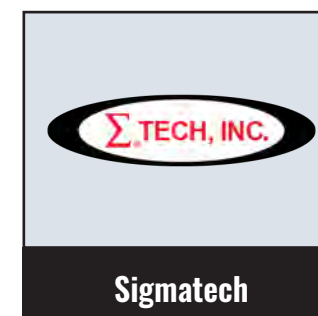
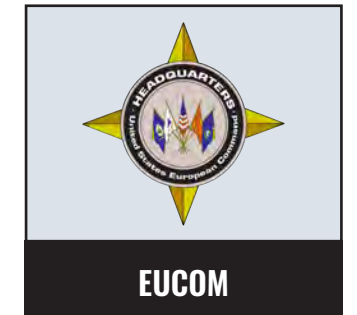
Mr. Riden is the Program Manager, an active NSSI instructor, and a USAF veteran of 23 years. His contracting team comprises highly qualified educators, subject matter experts, and specialists in their field, the majority of whom are veterans of the U.S. military. With an unparalleled depth and breadth of knowledge, the team fulfills a unique role in supporting the education and training mission of the NSSI.



**Ted Dewing | Financial Manager  
Tecolote**

Mr. Ted Dewing is the Financial Manager and has been supporting NSSI PPBE activities since 2006, providing cost, financial management, and acquisition support to the full array of NSSI requirements. Mr. Dewing is a USAF veteran of 28 years.

# PARTNERSHIPS



# METHODS OF INSTRUCTION

To meet the evolving needs of adult learners, NSSI offers a variety of instructional methods. In-person learning continues to deliver value for those who thrive in structured environments, while distance learning provides the flexibility and accessibility necessary for students balancing multiple life demands. Blended and hybrid models combine the strengths of both approaches, ensuring that adult learners can engage with educational content in a manner that suits their personal and professional needs. By offering diverse learning options, NSSI ensures all students have the opportunity to succeed.



## IN-RESIDENCE (in person)

Instruction conducted onsite at NSSI or an approved alternate location.



## DISTANCE LEARNING (online)

Instruction conducted beyond the traditional classroom setting, where instructors and students are separated by physical distance. Communication is accomplished by one or more technological capabilities. Distance learning instruction at NSSI is either instructor-led or self-paced.

**Synchronous** - Students meet for live instruction online at scheduled course times. Synchronous learning at NSSI is instructor-led.

**Asynchronous** - Students participate online without scheduled meeting times. Asynchronous learning at NSSI is instructor-led or self-paced.



## BLENDED LEARNING (online followed by in person)

Distance learning instruction followed by in-residence classroom instruction. Blended instruction at NSSI is instructor-led.



## HYBRID (in person and virtual)

Live instruction for a mix of in-residence and distance learning students (a.k.a. virtual attendance). Hybrid instruction at NSSI is instructor-led.



## MOBILE EDUCATION TEAMS (METs)

NSSI instructors, sent on temporary duty to provide education to military or civilian personnel to deliver an NSSI course in its entirety. Courses are delivered across the U.S. and internationally.

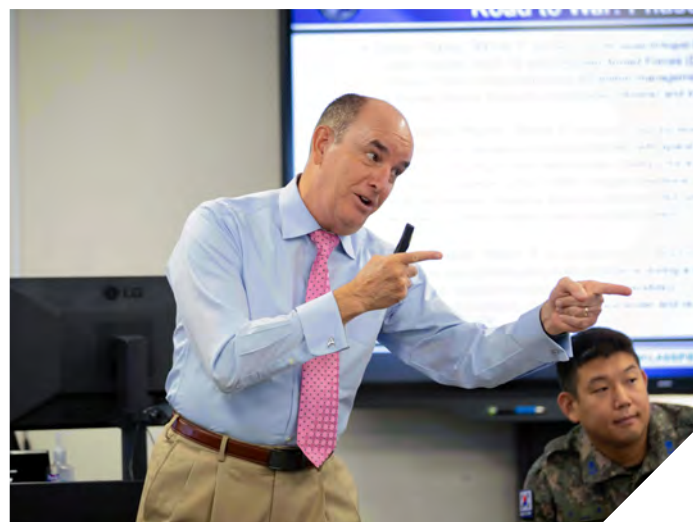


## STAFF ASSISTANCE VISITS (SAVs)

Events conducted by NSSI instructors to provide tailored education material and subject matter expertise to supplement existing space education.



# HIGHLIGHTS & ACCOMPLISHMENTS



In AY24, NSSI instructors taught 6,180 lessons across 265 course offerings delivering 13,045 academic hours of instruction across 384 collective academic weeks.

## COLLEGE OF PROFESSIONAL DEVELOPMENT

10 Courses | 3,656 Graduates



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.

### NEW COURSES

The College expanded the NSSI's mission set to include training by developing two new courses: Space Warfighter Prep Course (SWPC) and Commander of Space Forces Course (CSFC).

Stood up in AY24, SWPC prepares space professionals to effectively augment Air Operations Centers for both exercises and real-world operations. Students understand processes required to integrate and execute air and space power capabilities in support of theater commanders.

Developed at the direction of STARCOM, CSFC is a program designed to prepare Commanders of Space Forces (COMSPACEFORs) and 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. With targeted pilot dates in AY25, this course guides students to understand operational responsibilities and achieve combatant commander/Joint Force Commander objectives. Students develop approaches to integrate space capabilities and articulate military advice as the Theater Space Integrator and Senior Space Domain Advisor to the Combatant Commander/Joint Force Commander.

### EXPANDED OFFERINGS

To mitigate facility constraints due to resource reallocations, the College expanded online and mobile offerings of its most popular course, Space 100. Nearly 80% of Space 100 students capitalized on NSSI flexible learning options and enrolled in distance learning options or mobile education instruction, leveraging both synchronous and asynchronous models. This five-day course provides world-class professional continuing education to U.S. and international partner personnel to advance foundational knowledge of the space environment, electromagnetic spectrum, and satellite operations.



## PARTNERSHIPS

Space 100 continued to garner significant international interest, as military forces around the globe seek to understand space foundational concepts and capabilities to support tactical, operational, and joint operations. In AY24, the College:



Delivered the first-ever Space 100 course to members of the Polish Army and Air Force and civilian members of the Ministry of Defense at the Military University of Technology in Warsaw, Poland.



Deployed a mobile education team (MET) to Camp Humphreys, South Korea to conduct back-to-back Space 100 courses. NSSI instructors taught a cohort of 24 Republic of Korea students followed by 33 U.S. students assigned to U.S. Forces Korea.



Conducted the inaugural offering of Space 100 for 24 members of the Colombian Aerospace Force in Cali, Colombia, our first-ever Space 100 course in Latin America. Space 100 is likely the vanguard of significant space education requests from South American partners. Providing space education, in both English and Spanish, postures the United States for Great Power Competition in key South American countries.

In pursuit of the Chief of Space Operations' Line of Effort #3, *Partnering to Win*, the College deployed a mobile education team (MET) in July to deliver a Space Executive Course (SEC) to senior NASA employees assigned to the Johnson Space Center in Houston, Texas. SEC is two-day familiarization course providing senior members of the DoD, other U.S. government agencies, and partner nations with an awareness of unique space capabilities providing combat effects for warfighters. Class discussions centered on strategic applications of space power including exploration and integration between DoD and NASA regarding cis-lunar space.



## CONGRESSIONAL LEADERS

To prepare leaders at every level for the realities of great power competition in space, NSSI provided two unclassified Space Executive Course (SEC) offerings, providing instruction to 15 Congressional staff members representing over 7 states and 3 military Legislative Liaisons. The two-day course offered a strategic opportunity for Congressional staffers to better understand and appreciate USSF missions and operations, including space environment and orbits, space law and policy, and threats, all within the context of great power competition. Efforts are underway to offer this course at higher classification levels.



# COLLEGE OF SPACE WARFARE

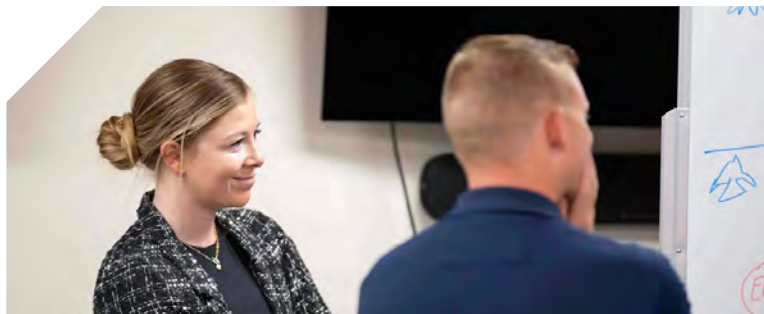
12 Courses | 1,409 Graduates



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.

In AY24, the College developed and piloted two new courses to meet USSPACECOM evolving demands: Space-SOF-Cyber Fundamentals Course (SSCFC) and Introduction to Joint Space (ITJS).

SSCFC emerged as a growing demand from USSPACECOM and meets CDRUSSPACECOM's intent for a campaign "Triad" learning in a precise joint, all-domain conflict orientation for a community of practice that recognizes and understands the unique synthesis of complex warfare within space, special, and cyber operations. Following development of this first-ever course alongside USSPACECOM's Strategic Innovation Group, the NSSI executed its pilot iteration, inviting 26 students from across USSPACECOM, USSOCOM, and USCYBERCOM. With five weeks of distance learning content and a week of in-residence facilitated activities, these graduates are now equipped to apply their individual warfighting crafts within a framework of applied irregular warfare across these three critical disciplines.



At the request of USSPACECOM, Space Training and Readiness Command authorized the creation of an Introduction to Joint Space course specifically designed for members of the joint and coalition community filling space roles who have had limited space education. ITJS produces graduates who have fundamental knowledge of space operations and capabilities as well as the understanding of how those capabilities support joint operations as defined in *Joint Publication 3-14, Space Operations*. The NSSI adopted much of the lesson material from its recently sunset Introduction to Space (ITS) course and reshaped it to fit USSPACECOM's requirements, fielding a pilot within three weeks and graduating over a hundred students in two months. ITJS will continue to support a foundation of introductory space education for USSPACECOM and others, with the capacity to produce over 2,400 graduates a year.

In addition to these two new courses, the College continues to prepare Guardians, joint services, and our allies and partners for the fight through its repertoire of ten

other premiere space warfighting courses. In AY24, the College revamped the requirements framework for six courses, modernizing course content to better align with emerging warfighter requirements. Covering a range of topics such as space intelligence, orbital warfare, space targeting, space planning, and more, these courses are continuously monitored by members of the USSPACECOM joint staff, ensuring that the NSSI evolves alongside an ever-changing warfighting domain for the fight today and in preparation for the challenges of the future.

NSSI received joint accreditation for Fundamental Application of Space Targeting (FAST), Joint Space Targeting Course (JSTC), and Joint Space Planners Course (JSPC), which allows graduates of these courses—as well as those of NSSI's Space 200 and Space 300 courses—to receive joint qualified officer points toward designation as a Joint Qualified Officer (JQO).

# COLLEGE OF LEADERSHIP DEVELOPMENT

4 Courses | 296 Graduates



The College of Leadership Development (CoLD) supports current and upcoming USSF leaders, including Squadron and Delta Commanders, Senior Enlisted Leaders (SELs), and their spouses, toward effective execution of their roles and responsibilities in critical positions.

In AY24, the Squadron Leadership Course (SLC) graduated 149 Guardians and spouses. SLC is a mandatory executive pre-command educational program for future Squadron Commanders, Senior Enlisted Leaders, and Senior Materiel Leaders, Materiel Leaders, and their spouses. SLC prepares and empowers command teams to accomplish their missions and understand the dynamics of their future roles. The course provides students with a comprehensive understanding of taking command, leadership, command culture, and embodying the Guardian Commitment based on the *AFI 1-2 Commander's Responsibilities* and *The Guardian Ideal*.

Held in the National Capital Region, the Aegis course is a mandatory pre-command program that prepares current or future Commanders, Senior Materiel Leaders, and Senior Enlisted Leaders to assume roles in the Delta Command Teams, USAF Group Command teams supporting USSF installations, and program offices to lead their future organizations. Sixty-nine Aegis graduates focused on the contemporary attitudes, approaches to leadership and management, legal responsibilities of command, and selected staff functions requiring management and leadership emphasis.



The Guardian Orientation Course (GOC) is designed to meet the needs of military personnel transferring to the USSF from other U.S. armed forces or federal agencies outside the Department of the Air Force. GOC offers flexible learning options—in-residence, distance learning, and hybrid models—and has welcomed over 765 Guardians into the USSF across the lifetime of the course.

The Direct Ascent Course (DAC) targets rising leaders early in their career and provides Guardians with curriculum that emphasizes the importance of space to national defense and combat-relevant cross-domain integration. The course is defined by the five core competencies of space operations as outlined in *Space Doctrine Publication 3-0*. DAC offers direct interaction with senior leaders regarding the current and future direction of the USSF.

In June 2024, the NSSI sunset GOC and DAC, given these courses had accomplished their mission objectives. Due to a resource reallocation to reoptimize for great power competition, the remaining courses within CoLD were re-distributed, and the College was dissolved.

# INTERNATIONAL AND MOBILE EDUCATION

NSSI has been instrumental in advancing the worldwide educational ecosystem, benefiting our allies and partners. One in nine NSSI students—692 out of a total of 6,145—were international partners from 32 different nations. NSSI sent Mobile Education Teams to our joint and international partners around the globe, teaching 26 mobile courses and staff assistance visits in countries such as Germany, Australia, Japan, the Republic of Korea, and the Kingdom of Saudi Arabia. These courses, including Space 100, Space Executive Course, Coalition Space Course, and Space Design and Innovation 101, offer students a world-class experience in space professional continuing education in an unclassified format, producing multinational graduates who possess the foundational knowledge required to assess, plan, operate, and defend the space domain.

## CULTIVATING ALLIED & PARTNER INTEGRATION

In AY24, NSSI provided its first-ever Space 100 and Coalition Space courses to members of the Polish Army and Air Force as well as civilian members of the Ministry of Defense at the Military University of Technology in Warsaw, Poland. Traditionally offering a one-week space overview to members of the Department of Defense, other U.S. government entities, and select allied nations, this

mobile Space 100 course provided space education to 26 senior Polish leaders and other officers assigned to the Military University of Technology and the Polish Armed Forces General Staff. Similarly, the Coalition Space Course hosted 24 Polish students from the Polish Air Force and Army attending in-residence at the Military University of Technology in Warsaw.



## INTERNATIONAL COLLABORATION

To ensure space education is suitable for both U.S.-led and partner-led operations, NSSI instructors attended the Royal Air Force's Executive Space Operations Course (ESOC). They confirmed its equivalency to NSSI's Space Executive Course (SEC) designed for Senior Leaders (O-6 and above) who do not have a strong space background. Conducted at the Defense Academy of the United Kingdom in Swindon, the course included members of the U.K. defense forces from the Air Force, Navy, Army, and Marines. The curriculum content and level were consistent with the SEC. The ESOC concluded with a senior leader perspective from RAF Air Marshal Paul Godfrey, recently added to the USSF CSO's staff as the Assistant Chief of

Space Operations for Future Concepts and Partnerships. The Air Marshal shared insights on the U.K.'s current and future space initiatives and partnerships with the U.S. and other nations.

Space Force Component Field Commands (C-FC) requested NSSI expertise to assist with theater space education requirements. Beginning in October 2023, NSSI established two liaison positions: one for SPACEFOR-IN-DOPACOM and the other for SPACEFOREUR-AF. These liaisons support the C-FC's ability to enhance space knowledge within the C-FC staff, greater CCMD, and other service component staffs.



NSSI Mobile Education Teams (METs) were deployed for the following courses: Space 100, Space Executive Course, Coalition Space Course, and Space Design and Innovation 101.



# PLANS AND PROGRAMS DIVISION

*The Plans and Programs Division (XP) advances NSSI mission readiness and operational effectiveness by developing, integrating, and executing strategic plans and programs that align with national defense objectives, foster innovation, and ensure resource optimization for sustained excellence in space professional continuing education.*

NSSI established a Plans and Programs Division (XP) in June 2024. The Division leads the effort to transform NSSI into a DoD Center of Excellence, specifically for space professional continuing education. XP also steers Strategic Planning and Outreach efforts, including collaboration with external academic institutions. It manages the Unit Self-Assessment Program and also refines course requirements from external entities.

## STRATEGIC PLANNING

In July 2024, the Division hosted a strategic planning off-site for uniformed and civilian members of the unit. As a result, NSSI formalized a five-year NSSI Strategic Plan (with a targeted release in AY25) and adopted a comprehensive Communications Plan, including guidance for boosting NSSI's social media presence on YouTube and LinkedIn.



## UNIT INSPECTION

In August 2024, the Division hosted the STARCOM Inspector General for a two-day unit inspection, the very first in the NSSI's 20-year history. The Division received rave reviews for a quality Unit Self-Assessment Program and was notably selected as a Professional Performer in the STARCOM Team Category.

# ACADEMIC AFFAIRS DIVISION

The Academic Affairs Division provides leadership and expertise to support NSSI course execution through cradle-to-grave student services, development of world-class physical and digital educational arenas, institutional knowledge management, maintenance of office infrastructure, and delivery of a secure and resilient IT environment.



AY24 was another dynamic year for the NSSI, and the Academic Affairs Division led the response with aplomb. STARCOM directed a tactical pause to evaluate its mission through the lens of great power competition, and Academic Affairs conducted an exhaustive analysis of NSSI operations. This resulted in two decision briefs to the Chief of Space Operations, the shuttering of four courses, and the development of four new courses.

Facility space continued to be a source of successes and challenges, with the first-ever courses conducted in two new SCIF classrooms at the off-base Sigmatech-Leased Facility. Due to resource reallocation in STARCOM, the NSSI found itself facility-constrained once again, and Academic Affairs secured funding to construct a Secret-colateral classroom as well as outfit a tertiary SCIF classroom in the National Capital Region.

Positioned on the front line of student interactions, the NSSI registrar team responded to nearly 17,400 applicants and 29,000 inquiries in AY24 in order to shepherd more than 7,100 students through the academic lifecycle. The registrars were pivotal in managing academic records and providing guidance to support Guardians, joint partners, and international service members in their ongoing professional development.

Championing immersive learning, Academic Affairs added several new tools to the NSSI Education Technology Innovation Laboratory (iLab). To bolster electronic warfare education, the team acquired a modeling and simulation capability and developed a virtual reality scenario exposing students to communications in an austere environment. Lastly, they upgraded a satellite rendezvous and proximity operations trainer with a red-on-blue scenario.

## DIGITAL LEARNING

In AY24, the award-winning Digital Learning (DL) Team utilized 11 in-house education technology tools across 20 courses to provide technology-enhanced innovative approaches to executing our educational mission. The DL team leverages the latest learning technologies to bolster a deep understanding of space operations and a culture of lifelong learning, strategic thinking, and agility.



### 3D MANIPULATIVES

One in five NSSI courses used 3D-printed manipulatives to augment classroom activities. These realistic objects increase student engagement and turn learning more active.



### SCENARIO-BASED LEARNING

To enhance instructional strategies in orbital warfare and joint space planning courses, the DL team developed realistic and interactive capstone scenarios.



### WELCOME VIDEOS

NSSI instructors collaborated with the DL team to create welcome and introduction videos for eleven distance learning classes, humanizing the online experience for more than 350 NSSI students.



### ONLINE LESSON RECORDINGS

Learning the mathematical rigor of orbital mechanics can be challenging, particularly in an online environment. To aid student learning, NSSI instructors recorded asynchronous lessons utilizing a whiteboard table with downward camera angle. This technique provides unobstructed views (i.e., no back to the camera) and promotes sleek visual explanations for online students.

# DEMOGRAPHICS & EVALUATIONS



## DEMOGRAPHICS

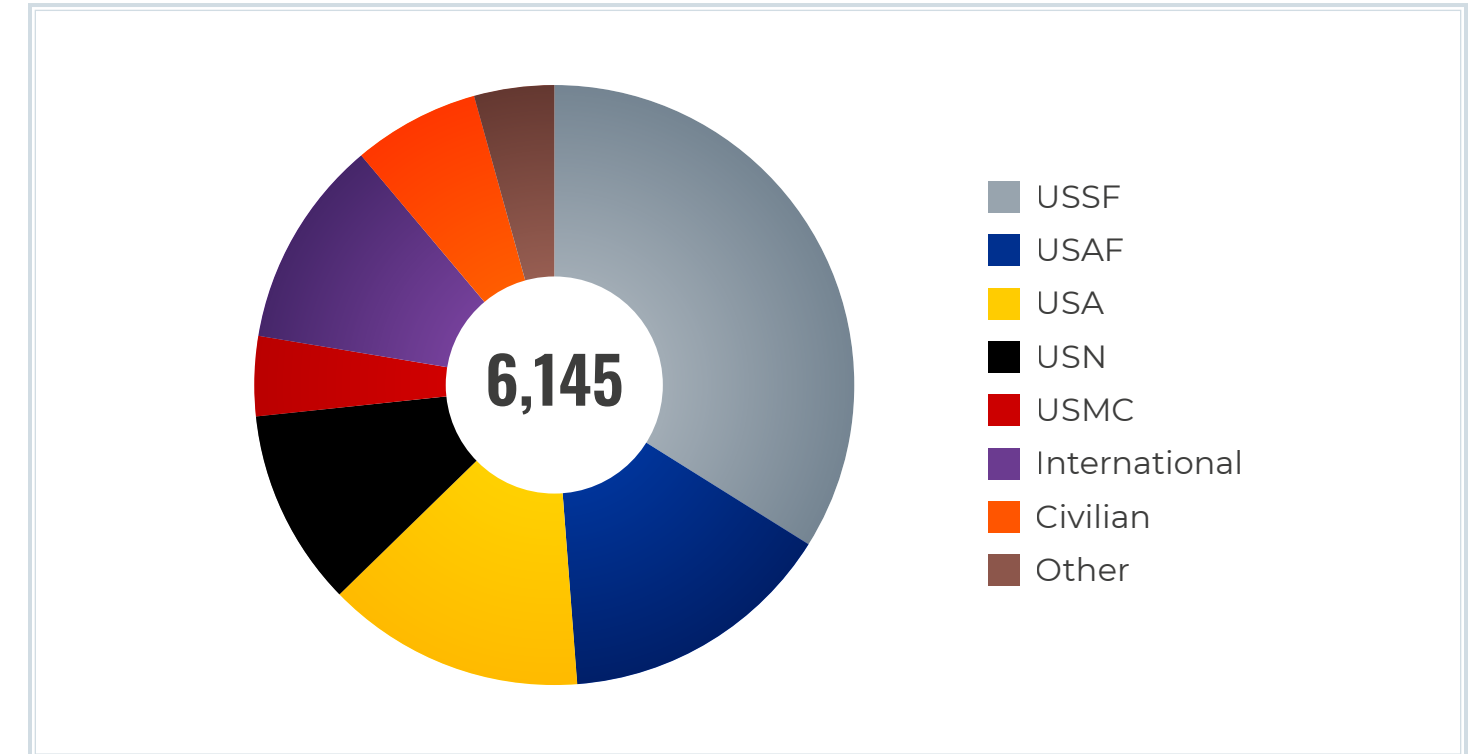
Demographic data are pulled directly from the NSSI student registration database for all in-residence and distance learning courses. Data for Mobile Education Teams (METs) without online registration are captured manually via student sign-in sheets. Course data are organized into six methods of instruction: In-residence, Distance Learning, Blended, Hybrid, Mobile Education Teams (METs), and Staff Assistance Visits (SAVs).

## DATA VALIDITY

Student information is downloaded from the NSSI student registration database and manual sign-in sheets and is compiled monthly for all graduating classes. The data contained in this report most accurately represents the student population graduating from NSSI courses in AY24.



# TOTAL STUDENTS

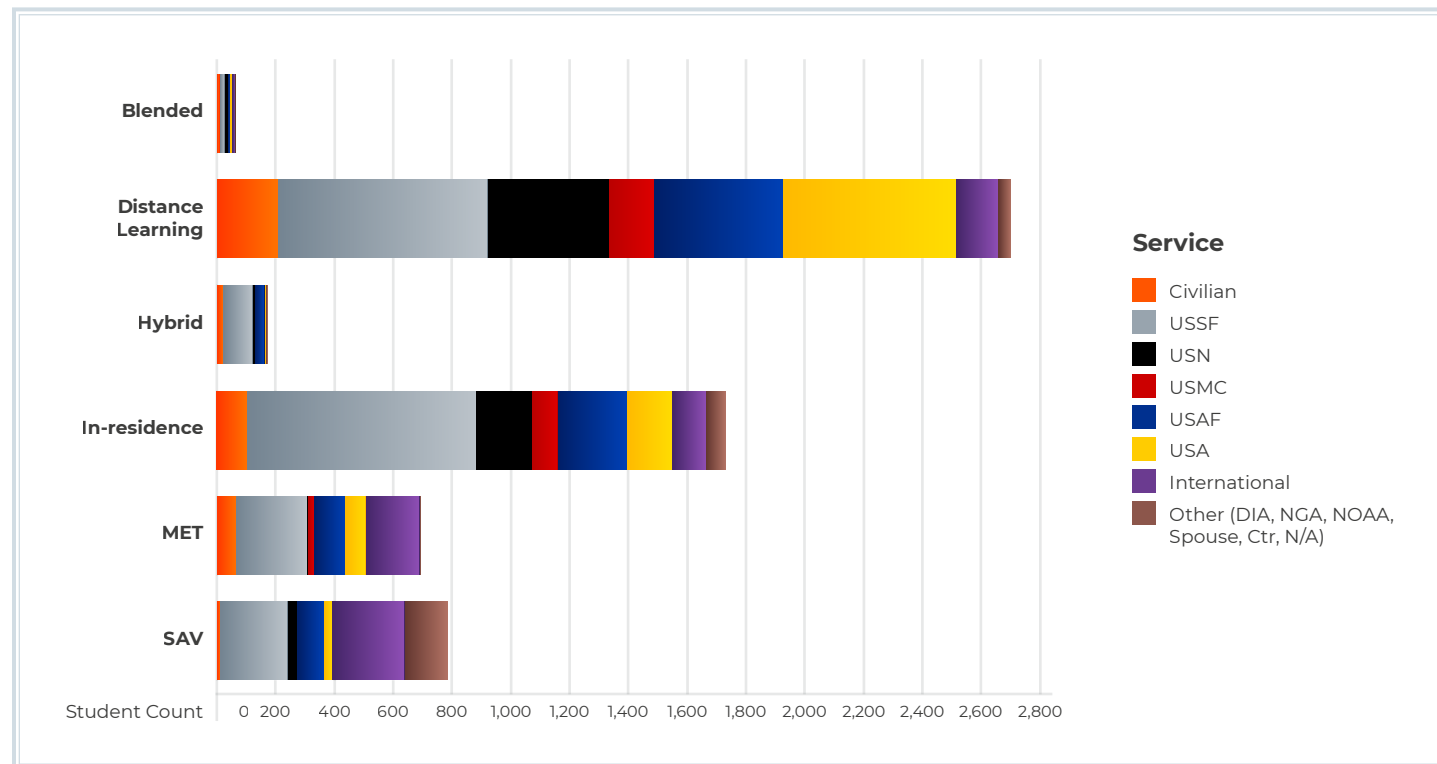


	COUNT	PERCENTAGE
USSF	2,084	33.91%
USAF	914	14.87%
USA	856	13.93%
USN	653	10.63%
USMC	263	4.28%
International	692	11.26%
Civilian	419	6.82%
Other (DIA, NGA, NOAA, Spouse, Ctr, N/A)	264	4.30%
	<b>6,145</b>	<b>100%</b>

**DISCLAIMER:** In 2024, NSSI experienced a slight decrease in student enrollment due to sunsetting DAC, SCPC, and GOC as well as the pause of SP100, SP200, and SP300.

# STUDENT DEMOGRAPHICS

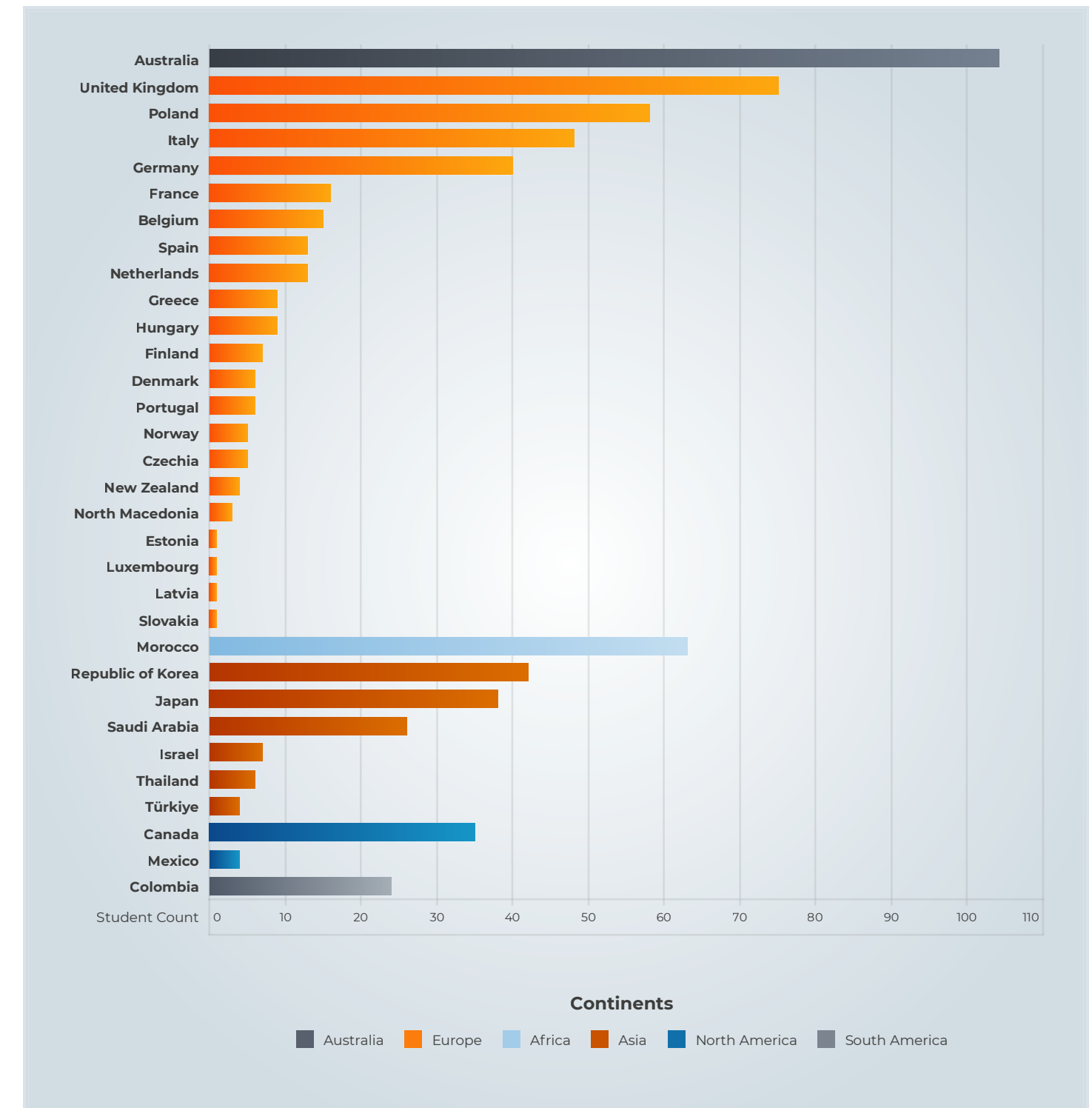
## by Service & Method of Instruction



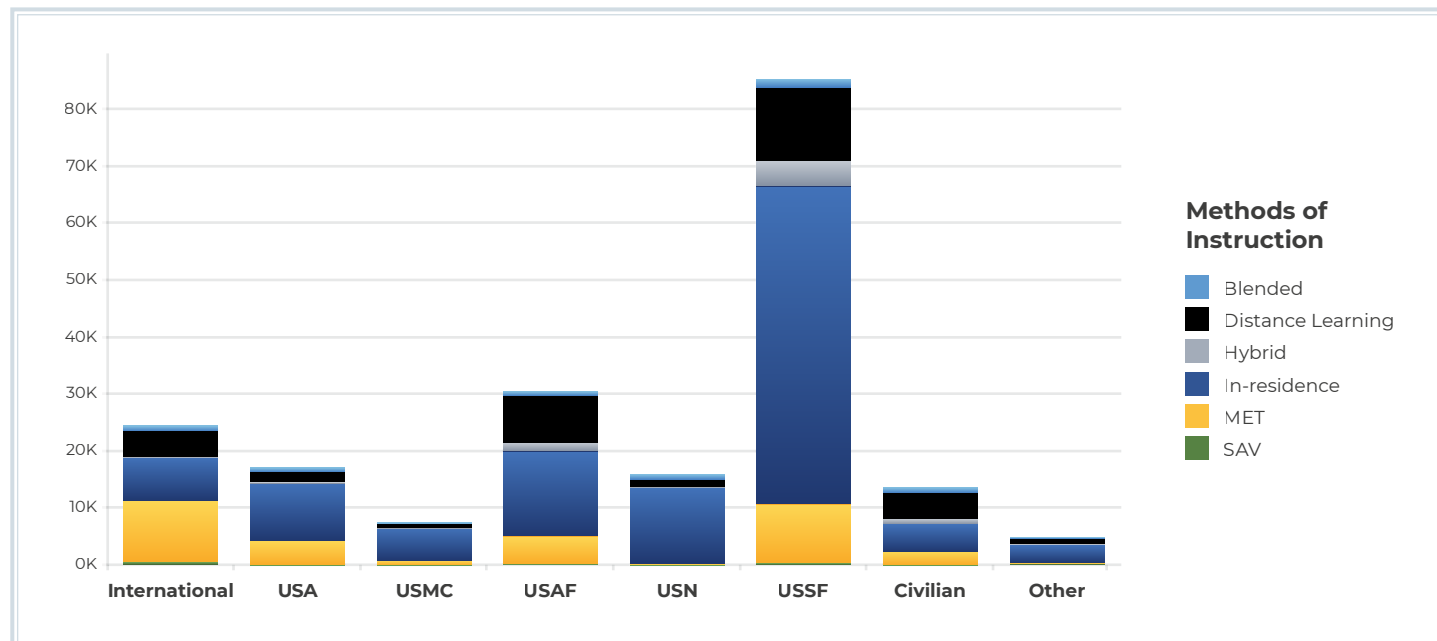
	CIV	USSF	USN	USMC	USAF	USA	INT'L	OTHER	
<b>Blended</b>	9	18	9	1	8	8	11	2	66
<b>Distance Learning</b>	206	717	410	155	439	589	141	44	2,701
<b>Hybrid</b>	23	98	8	1	32	3	2	4	171
<b>In-residence</b>	102	779	193	86	237	154	113	68	1,732
<b>MET</b>	65	244	4	17	106	72	182	1	691
<b>SAV</b>	14	228	29	3	92	30	243	145	784
	<b>419</b>	<b>2,084</b>	<b>653</b>	<b>263</b>	<b>914</b>	<b>856</b>	<b>692</b>	<b>264</b>	<b>6,145</b>

NSSI offers six methods of instruction, providing a flexible approach to education. Each method caters to different needs and learning styles, providing an adaptable and comprehensive education while supporting students' work and personal commitments.

# SAV BY COUNTRY



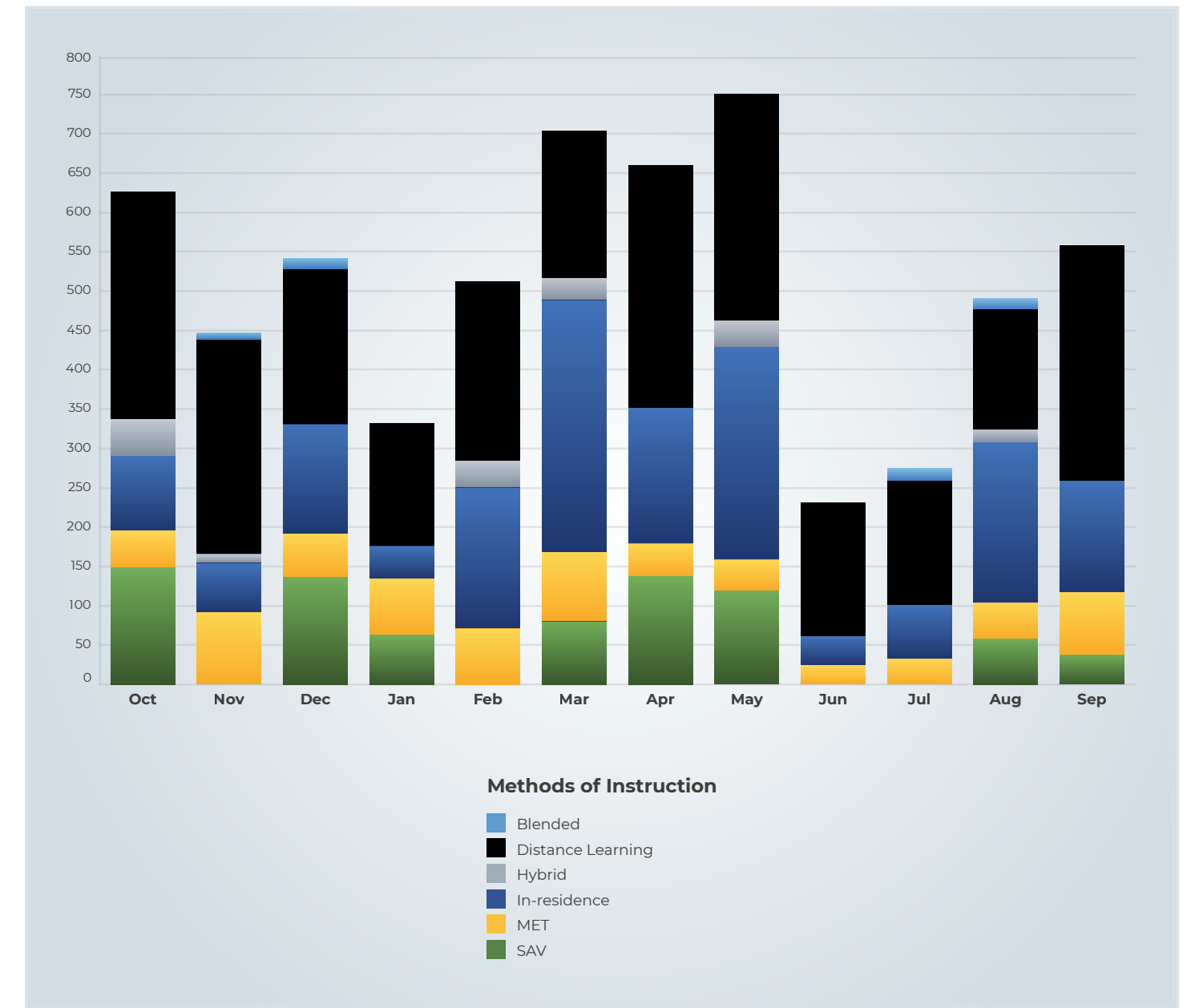
# STUDENT CONTACT HOURS by Service



	HOURS	PERCENTAGE
International	24,411	12.27%
USA	17,099	8.60%
USMC	7,449	3.75%
USAF	30,433	15.30%
USN	15,838	7.96%
USSF	85,303	42.89%
Civilian	13,493	6.78%
Other (DIA, NGA, NOAA, Spouse, Ctr, N/A)	4,866	2.45%
	<b>198,892</b>	<b>100%</b>

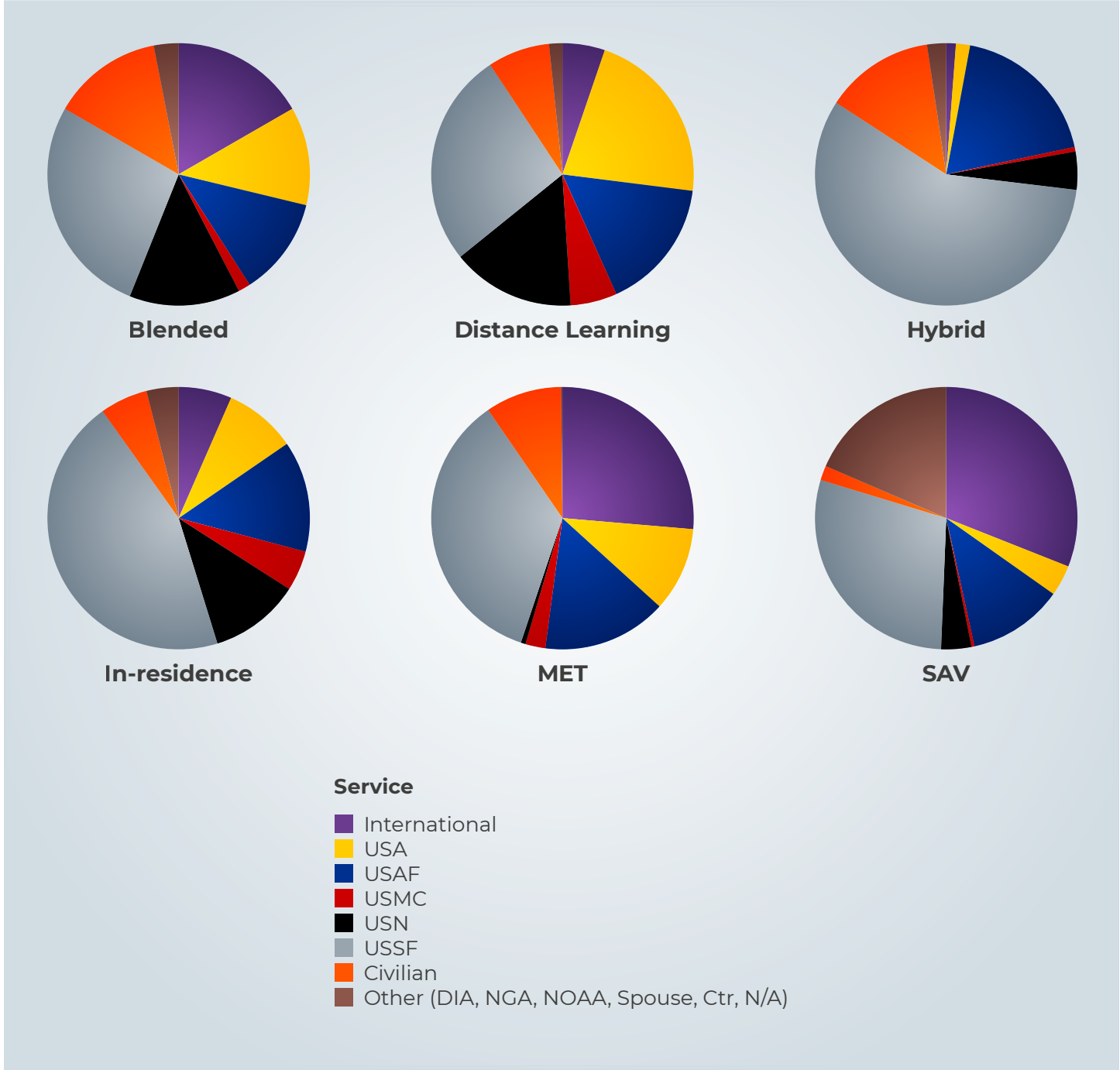
By offering tailored, “bite-size” education, NSSI can meet specific educational needs while accommodating students’ varying schedules and learning preferences. This approach allows for more flexibility and can be especially appealing to those looking to focus on particular topics within national security and strategic intelligence without committing to full-length courses.

# STUDENT THROUGHPUT



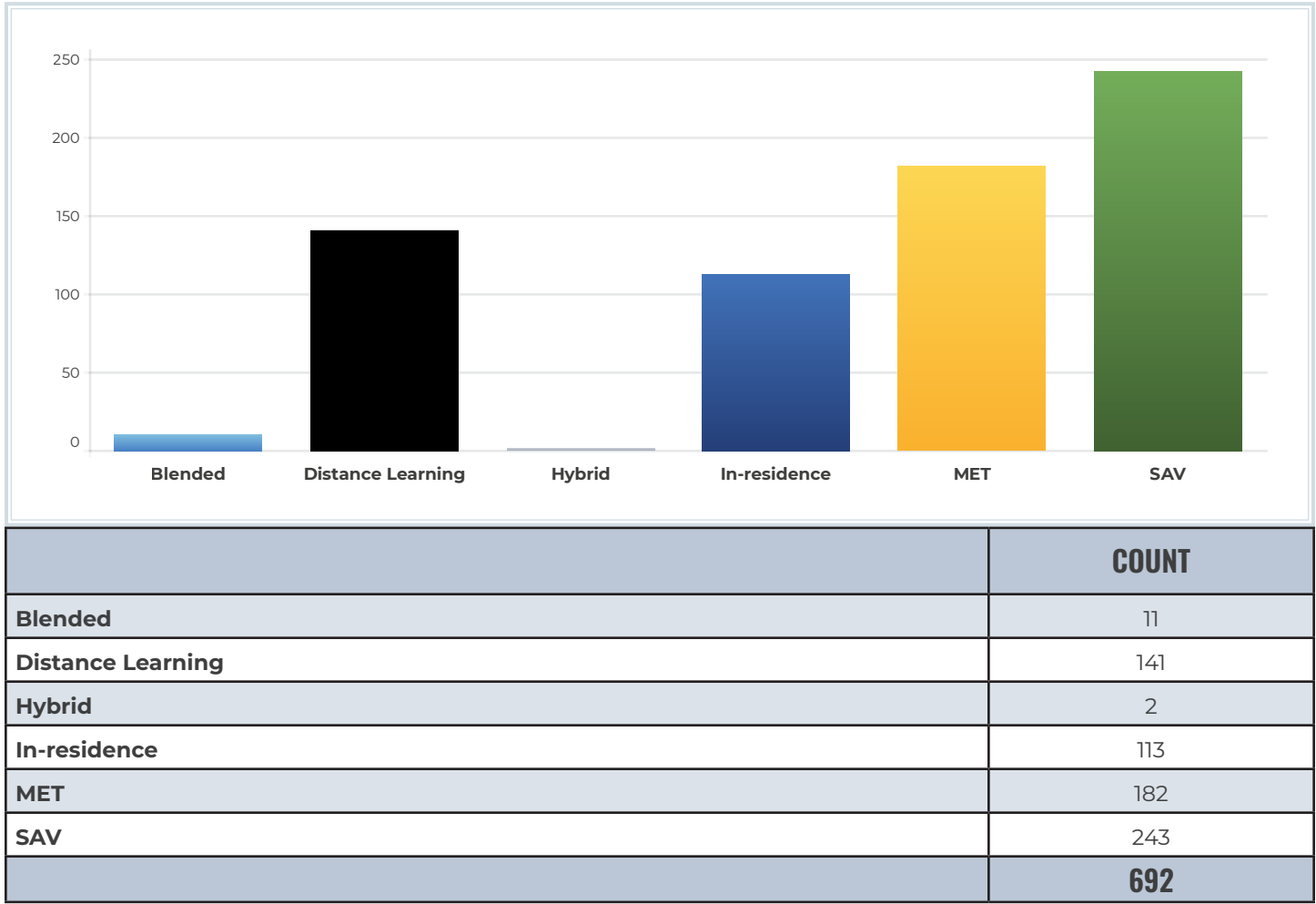
# JOINT PARTNERSHIP

## by Service & Method of Instruction

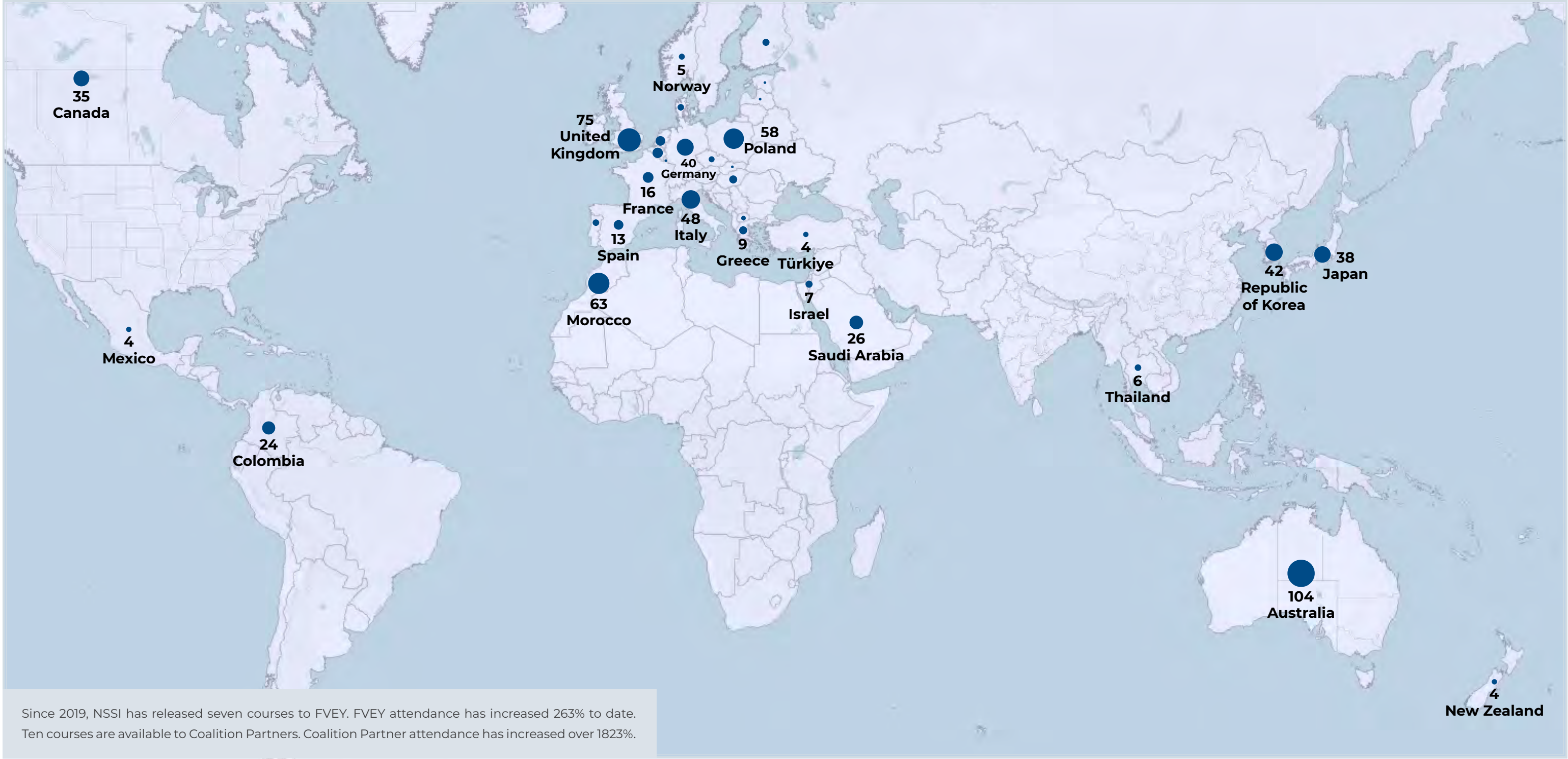


# INTERNATIONAL STUDENTS





















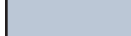
## by Method of Instruction



# INTERNATIONAL MILITARY STUDENT REACH

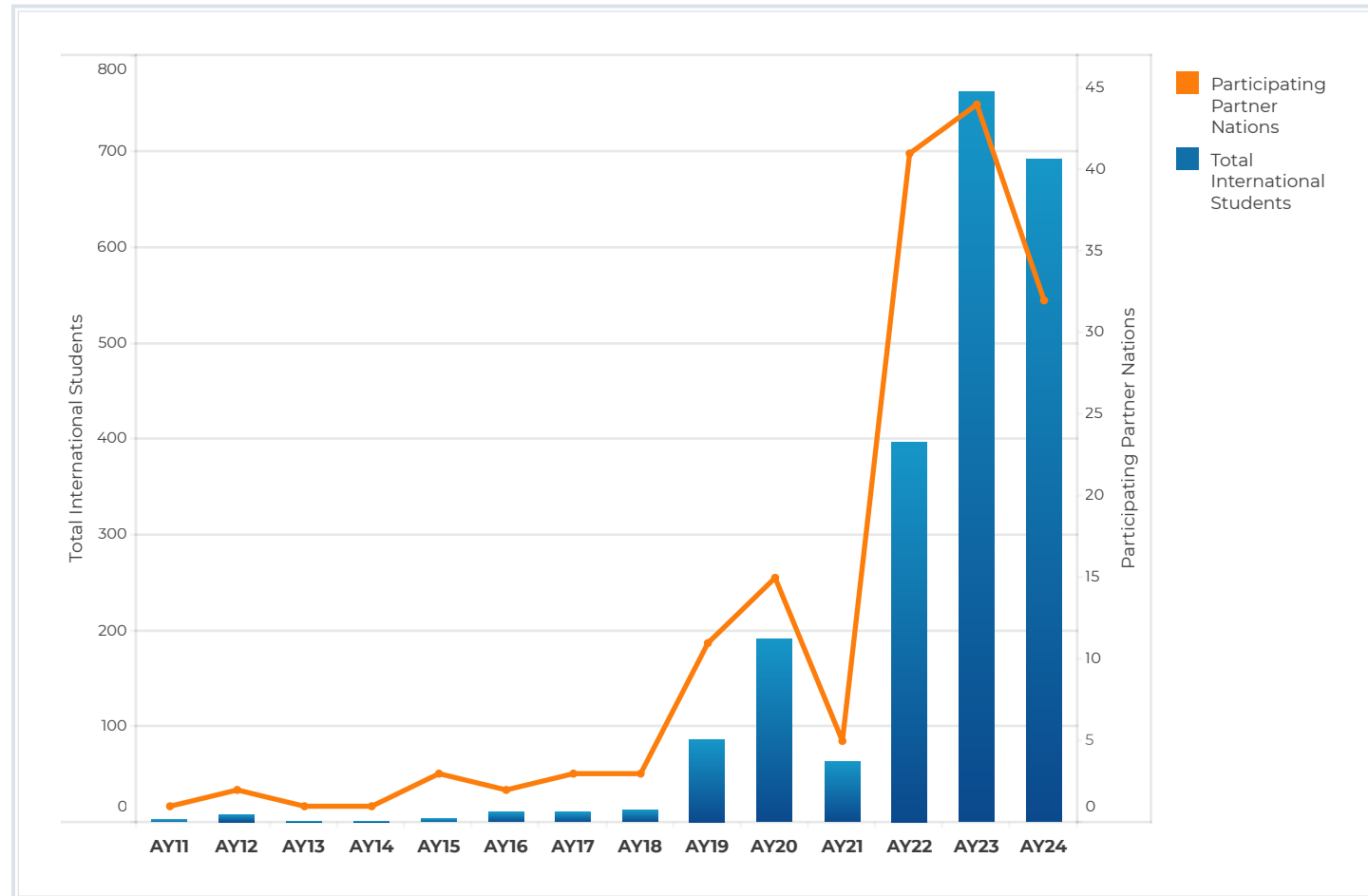


# INTERNATIONAL PARTICIPATION by Academic Year (AY)

	COUNTRY	AY19-24 Total	AY19	AY20	AY21	AY22	AY23	AY24
	Australia	471	36	9	14	37	271	104
	United Kingdom	212	12	18	22	38	47	75
	Saudi Arabia	197	0	0	0	73	98	26
	Japan	158	2	25	21	9	63	38
	Germany	113	9	23	0	22	19	40
	Canada	112	12	18	5	16	26	35
	Italy	108	1	4	0	17	38	48
	Republic of Korea	87	2	2	0	20	21	42
	Poland	83	0	1	1	12	11	58
	Denmark	82	0	67	0	3	6	6
	Greece	66	2	0	0	24	31	9
	Morocco	63	0	0	0	0	0	63
	France	60	3	10	0	21	10	16
	Colombia	50	0	0	0	15	11	24
	Norway	39	5	3	0	20	6	5
	Spain	36	2	2	0	8	11	13
	Brazil	33	0	0	0	3	30	0
	Netherlands	23	0	1	0	2	7	13
	Thailand	19	0	0	0	5	8	6
	Finland	17	0	0	0	6	4	7
	Belgium	17	0	1	0	0	1	15

	COUNTRY	AY19-24 Total	AY19	AY20	AY21	AY22	AY23	AY24
	New Zealand	13	0	7	0	2	0	4
	Mexico	12	0	0	0	2	6	4
	Hungary	10	0	0	0	0	1	9
	Israel	9	0	0	0	2	0	7
	Portugal	9	0	0	0	1	2	6
	Czechia	9	0	0	0	1	3	5
	Türkiye	8	0	0	0	1	3	4
	Dominican Republic	7	0	0	0	4	3	0
	Panama	5	0	0	0	3	2	0
	North Macedonia	4	0	0	0	1	0	3
	Ecuador	4	0	0	0	0	4	0
	Guatemala	4	0	0	0	2	2	0
	Haiti	4	0	0	0	0	4	0
	Honduras	4	0	0	0	2	2	0
	Luxembourg	3	0	0	0	1	1	1
	Costa Rica	3	0	0	0	3	0	0
	Peru	3	0	0	0	1	2	0
	Slovakia	2	0	0	0	1	0	1
	Chile	2	0	0	0	0	2	0
	Jordan	2	0	0	0	2	0	0
	Estonia, Latvia	1	0	0	0	0	0	1
	El Salvador, Gambia, Kazakhstan, Paraguay, Singapore, Sri Lanka, Vietnam	1	0	0	0	1	0	0
	Barbados, Croatia, Egypt, Montenegro, Romania, Trinidad and Tobago	1	0	0	0	0	1	0

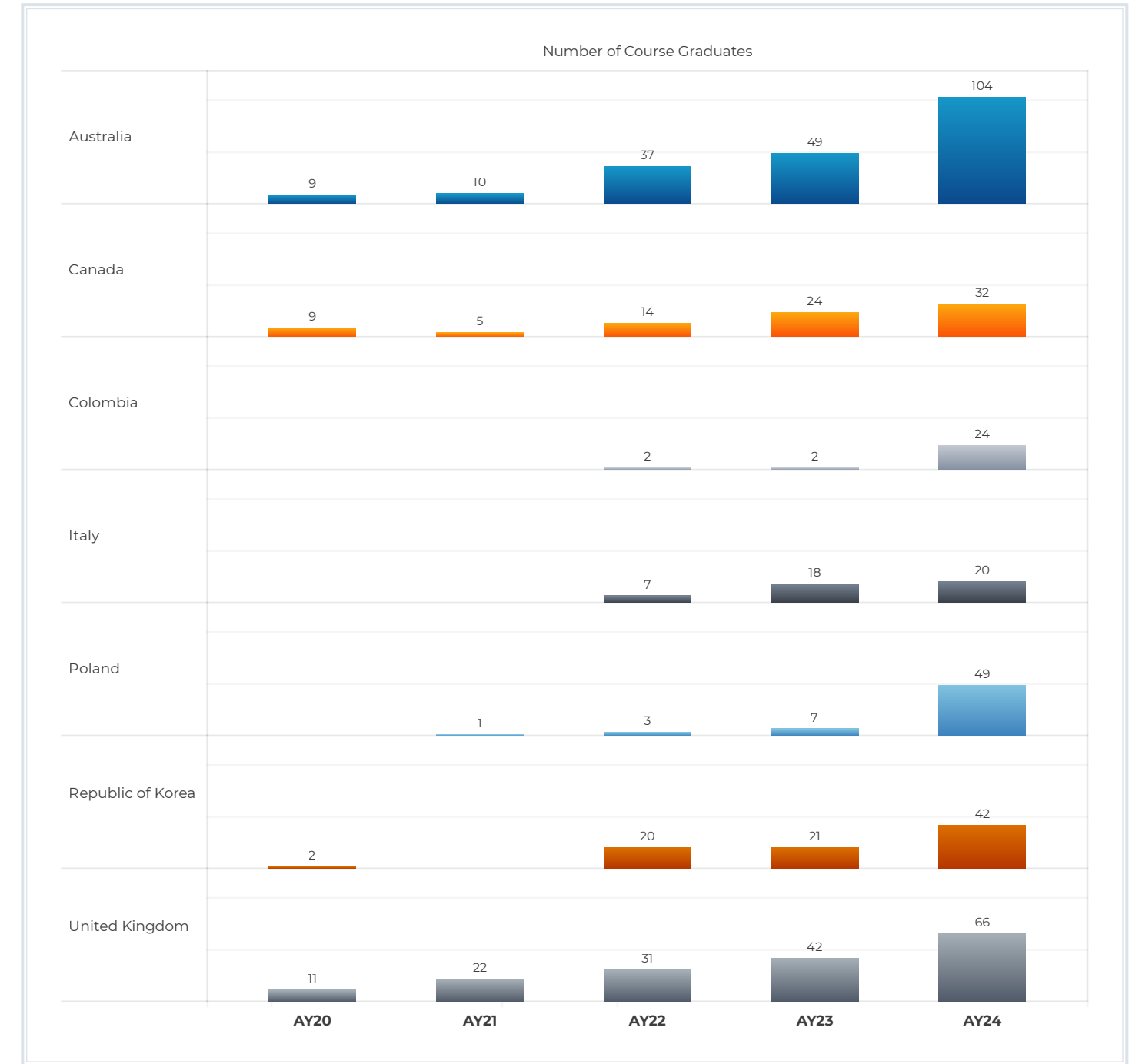
# INTERNATIONAL ENGAGEMENT



	INT'L STUDENTS	PARTNER NATION			
AY11	2	1	AY18	13	3
AY12	8	2	AY19	86	11
AY13	1	1	AY20	191	15
AY14	1	1	AY21	63	5
AY15	3	3	AY22	397	41
AY16	11	2	AY23	762	44
AY17	10	3	AY24	692	32
				<b>2,240</b>	

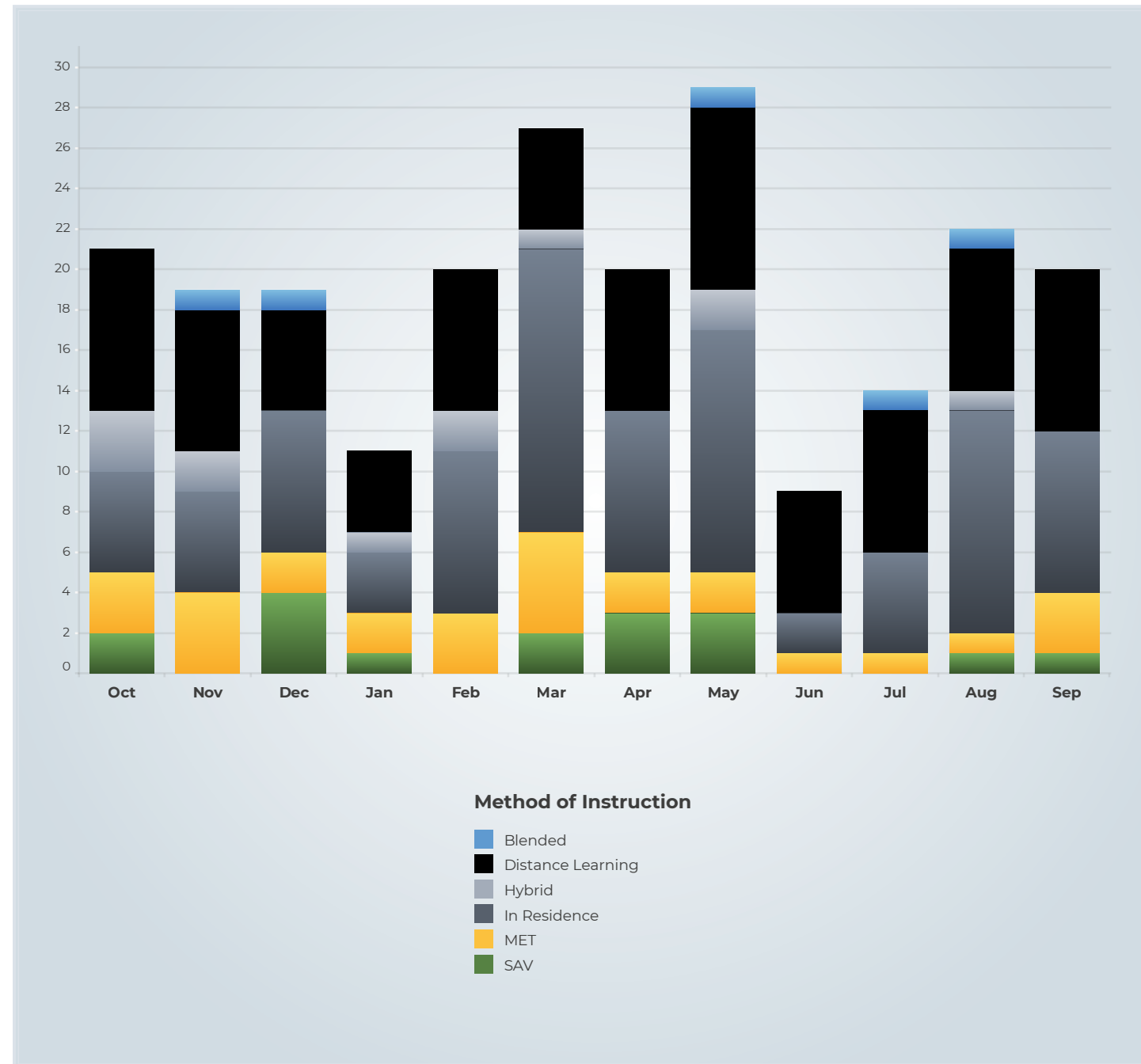
In 2011, NSSI opened SP200 and SP300 courses to Australia, Canada, and the United Kingdom, and, in 2018, expanded offerings to FVEY partners. Since then, NSSI has disclosed 15 courses to 59 partner nations and NATO.

# SPECIFIC COUNTRY GROWTH



The countries listed have shown growing interest in NSSI courses over the last five years, producing multinational graduates who possess the foundational knowledge required to assess, plan, operate, and defend the space domain.

# COURSES EACH MONTH



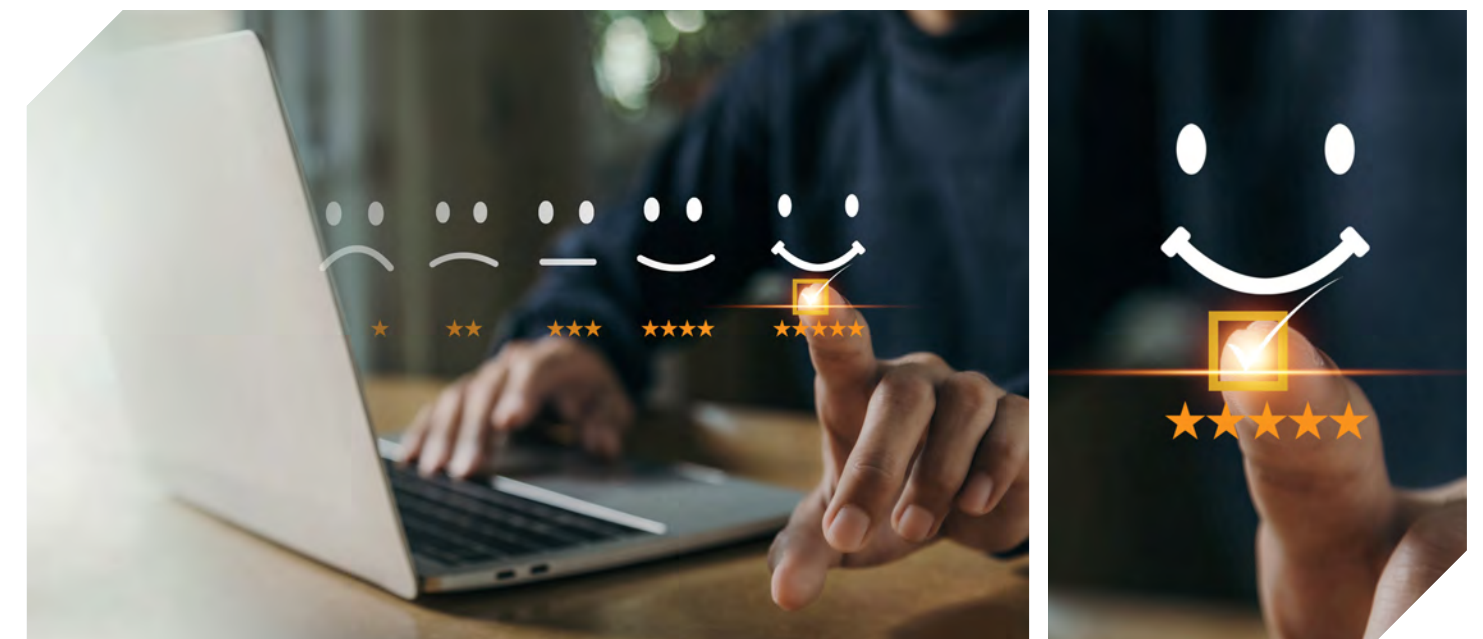
# END-OF-COURSE EVALUATIONS

At the end of each in-residence, distance learning, blended, hybrid, and mobile course, students are asked to indicate the extent to which they agree with the following overall course evaluation statements:

1. Overall, how satisfied were you with this course?
2. Was the course content appropriate for the course level?
3. How clear was the content covered in this course?
4. The course was well organized.
5. The course contained current content.
6. How satisfied were you with the pace of this course?
7. Was the course engaging?

Each student response is rated on a five-point scale, ranging from strongly disagree (1) to strongly agree (5). Individual lesson and overall course feedback results are collated, analyzed, and reported to the course directors. The overall score reflects the mean of the seven end-of-course survey evaluation responses. Self-paced distance learning courses do not rate instruction or classroom environment, and instructor-led distance learning courses

do not rate classroom environment. Additionally, the NSSI Institutional Effectiveness team supports a structured, data-driven approach to survey evaluation, trend reporting, and root-cause analysis. This process allows for rapid and responsive, fact-based continuous improvement of content currency, course structure, and instructor performance in the classroom.

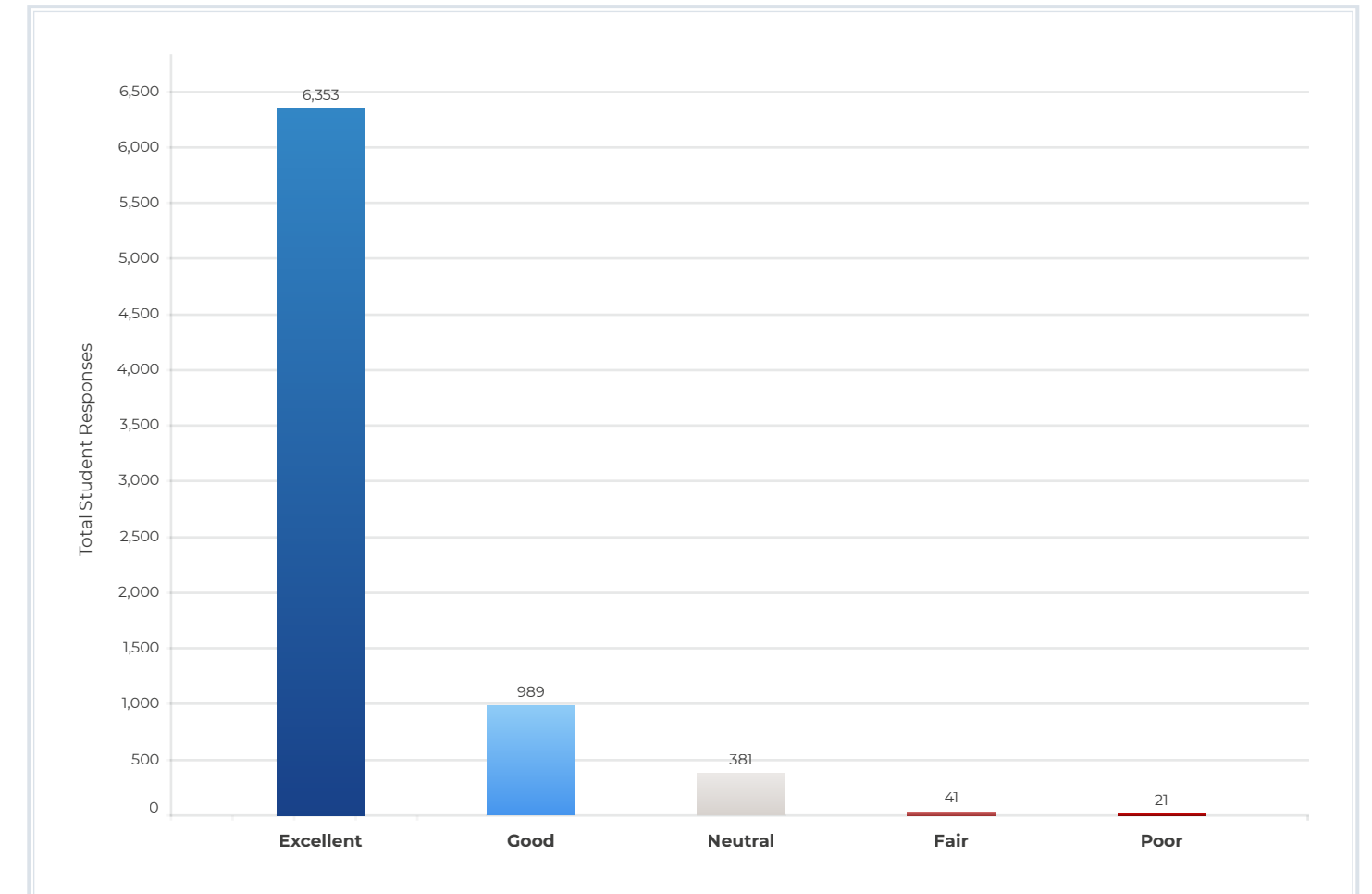


With a possible score of 1-5, NSSI has established and strives to maintain a benchmark of above 4.0 for student course reviews.

	CONTENT					COURSE	
	Satisfaction	Appropriate	Clear	Quality	Relevant	Pace	Engaging
Space 100	4.59	4.68	4.60	4.66	4.63	4.37	4.52
Space 100 Distance Learning	4.57	4.74	4.55	4.51	4.60	4.45	4.14
Space 200	4.56	4.69	4.51	4.59	4.58	4.53	4.64
Space 300	4.60	4.87	4.71	4.73	4.67	4.53	4.75
Space Executive Course	4.82	4.88	4.75	4.76	4.69	4.75	4.59
Mission Type Orders Course	4.28	4.70	4.84	4.46	4.72	4.55	3.86
Maritime Space Operations Integration Course	4.83	4.90	4.68	4.75	4.80	4.48	4.85
Space Warfighter Prep Course	4.62	4.71	4.14	4.29	4.33	3.86	4.48
Squadron Leaders Course	4.07	4.30	4.19	3.89	4.19	4.04	4.48
Aegis	3.88	4.26	4.04	3.91	4.04	4.26	4.17
Introduction to Joint Space	4.25	4.65	4.58	4.56	4.54	4.44	3.98
Joint Space Planners Course	4.66	4.80	4.71	4.69	4.40	4.57	4.77
Joint Integrated Space Team Course	3.69	4.08	4.54	4.08	3.85	3.77	4.31
Coalition Space Course	4.53	4.68	4.63	4.89	4.74	4.74	4.79
Space Intelligence Fundamentals Course	4.57	4.69	4.61	4.67	4.49	3.53	4.15
Space Familiarization Course	4.28	4.62	4.65	4.47	4.46	4.52	4.01
Fundamentals of Orbital Operations Course	4.17	4.49	4.10	4.25	4.44	4.32	3.90
Concepts of Orbital Warfare Course	4.35	4.58	4.63	4.37	4.21	4.21	4.63
Fundamental Application of Space Targeting	4.38	4.69	4.50	4.45	4.55	4.37	3.94
Joint Space Targeting Course	3.88	3.92	4.13	4.00	3.79	3.92	3.92
Space Design and Innovation 101 Course	4.73	4.57	4.50	4.53	4.70	4.23	4.93
Guardian Orientation Course	4.33	4.67	4.78	4.22	4.44	4.78	4.11

# INSTRUCTOR EVALUATIONS

Students evaluated NSSI instructors in four areas (communication, knowledge, professionalism, and satisfaction) on a scale of 1 to 5. The aggregated responses show an overwhelming majority of high marks in all categories, with 94% of responses being 4 and above.



EVALUATION	AVERAGE SCORE
Communication	4.68
Knowledge	4.71
Professionalism	4.87
Satisfaction	4.74

# CAMPUS

## SPACE EDUCATION AND TRAINING CENTER

In 2012, NSSI established residence on Peterson Space Force Base, Colorado, in a shared learning facility known as the Moorman Space Education and Training Center. The campus is an instructional hub composed of classrooms, a modeling and simulation lab, conference rooms, faculty and staff office spaces, and student breakrooms. The facility houses a sensitive compartmented information facility (SCIF), allowing for instruction up to the top-secret level. It also possesses an array of integrated modern capabilities to facilitate in-residence, blended, and hybrid courses. In AY24, due to shifting mission requirements, the NSSI reduced its footprint in this center, relying more on the Sigmatech-Leased Facility.

**1 Top-Secret Classroom (24 students)**

**1 Space Power Lab (24 students)**



## SIGMATECH-LEASED FACILITY

Unprecedented growth and expanded mission requirements prompted NSSI to lease a learning facility three miles west of Peterson Space Force Base. Formally opened in November 2022, the contractor-leased satellite facility houses three active learning-enabled classrooms, including two SCIFs and one unclassified classroom, as well as faculty and staff office space. The facility also hosts a stand-alone education technology innovation laboratory complete with mixed reality (MR) visualization tools and other immersive learning technology. Due to a shrinking footprint on Peterson Space Force Base, an expansion effort began in 2024, adding an additional classroom and an onsite library.

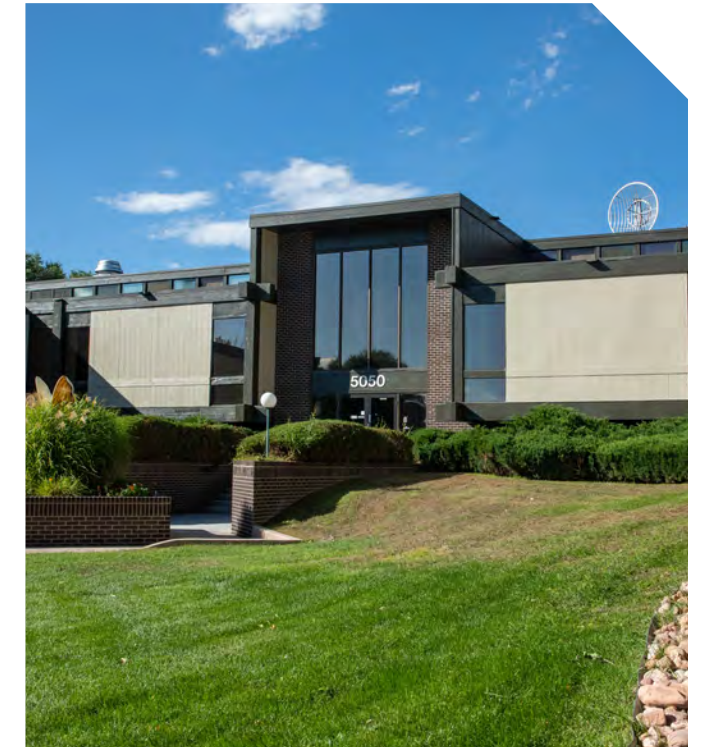
**1 Unclassified Classroom (24 students)**

**2 Top-Secret Classrooms (24 students each)**

**1 Education Technology Innovation Lab**

**1 Secret Classroom (24 students) – Under construction**

**1 Learning Commons – Under construction**



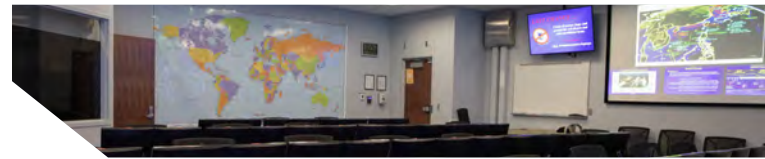
## DIGITAL CLASSROOMS



Since 2020, the NSSI has leveraged Canvas, an online learning management system that supports our mission to deliver high-quality, technology-enhanced education. This capability is incredibly adaptable, enabling the delivery of courses in a variety of formats—hybrid, blended, synchronous, and asynchronous. Students enrolled in online courses have access to both instructor-led and self-paced options that can be accessed from anywhere in the world. Employing the latest tools and technology in online learning, NSSI successfully accelerates student throughput while reducing the costs associated with traditional, in-residence learning.

# SPACE POWER LAB

NSSI is home to the Space Power Lab, a one-of-a-kind space modeling and simulation facility where students apply knowledge learned in the classroom in a simulated joint operational environment. When presented with operationally relevant scenarios pulled from today's headlines, students use the Lab as a simulated OpsCenter to address dilemmas, mitigating issues just as they would in theater operations.



# EDUCATION TECHNOLOGY INNOVATION LAB

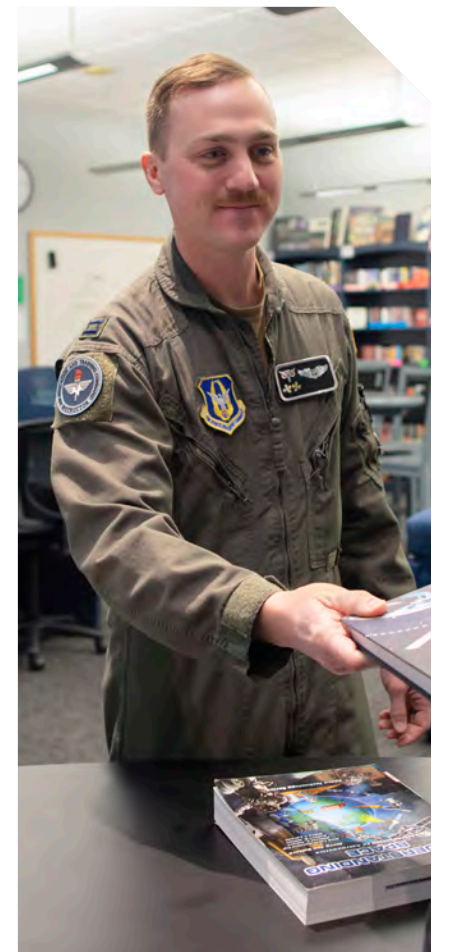
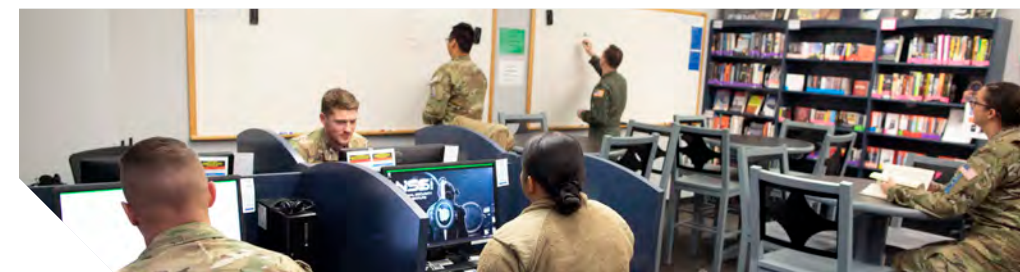
The Education Technology Innovation Lab (iLab) is a unique facility where cutting-edge education technologies are leveraged to enhance space professional continuing education. The iLab reinforces student learning by integrating mixed reality (MR) immersion sets, holographic devices, and miniature satellite models to visualize 3D satellites, orbits, and threats; a robotic on-orbit trainer; web-based orbit characterization tools; and an electronic warfare trainer. The iLab also features a 3D printer and scanner to provide manipulatives for hands-on engagement and increased retention. These tools allow students to analyze, experience, and learn in a hyper-realistic environment that is traditionally challenging to visualize and conceptualize.



# LEARNING COMMONS

The Learning Commons is the onsite library designed to foster collaboration and knowledge co-construction for NSSI students, faculty, and staff. The mission is to support academic success and information needs in all areas of military space studies. The Learning Commons collection contains space-relevant materials in both print and digital formats and offers services to eligible patrons to facilitate the effective use of information resources. These services focus on reference assistance, interlibrary loan (through partnership with the Kraemer Family Library at the University of Colorado-Colorado Springs), and copyright compliance support, ensuring NSSI lesson material adheres to U.S. copyright law and reinforcing NSSI's commitment to academic integrity.

Eligible Learning Commons patrons include students actively enrolled in NSSI courses; NSSI faculty and staff; and students actively enrolled in the U.S. Army Space Operations Officer Qualification Course (SOOQC). Local NSSI alumni are also permitted to use materials onsite, and other local military and government civilian space professionals may be granted access with NSSI Director approval.



# ADDITIONAL RESOURCES

NSSI provides ongoing support to its students, faculty, and the broader space community by offering a variety of space-related resources for continuing education. These resources are made available online via NSSI's public and social media websites.

## SPACE NEWSLETTER

NSSI Space Weekly is a roundup of space defense news from across the globe. Compiled by the staff of the NSSI Learning Commons, this e-newsletter contains a wealth of information that keeps space warfighters abreast of current events and rapidly evolving technologies and policies. Topics include SATCOM, PNT, cyber, artificial intelligence, launch, policy, capabilities, missile warning, missile defense, space economy, geopolitics, and more. The Space Weekly is available to U.S. military, government civilians, and foreign defense partner equivalents as well as military education institutions. More than 19,000 space and defense professionals worldwide subscribe to this NSSI publication, which is published mid-week, providing readers with timely access to relevant space news and happenings.



## SPACE PROFESSIONAL READING LIST

The NSSI Space Professional Reading List (SPRL) is recommended reading for U.S. Department of Defense and international-partner space professionals. The annual reading list is intended to spur intellectual growth, enhance professional development, promote lifelong learning, and foster traits highlighted in the USSF *Guardian Ideal*. These works provide a launching point for expanding existing knowledge, developing professional skills, and challenging conventional thinking about the profession. The recommended reading also introduces students and space professionals to the insights of NSSI educators and their recommendations for lifelong learning. These lists—complete with book and author descriptions—are not only distributed to students enrolled in NSSI courses but also disseminated to space and defense professionals worldwide.



## SPEAKER SERIES

Each year, NSSI promotes a speaker series, inviting SPRL authors and notable space-minded thinkers to visit and share their valuable perspectives with NSSI students, faculty, and the greater space community in the Pikes Peak region, including junior Guardians from Delta 13's Det 1 at the USAFA. Being able to discuss viewpoints with the authors themselves provides a rich experience that expands students' existing knowledge and occupational depth. NSSI has released annual reading lists since 2010 and has hosted esteemed speakers such as Dr. David Kilcullen, Dr. Gregory Miller, Dr. Brad Townsend, Dr. Krista Langeland, Derek Grossman, Dr. Lamont Colucci, Dr. Namrata Goswami, Peter A. Garretson, and Dr. Neil deGrasse Tyson.



## EDUCATIONAL AIDS

NSSI Educational Aids are a series of videos that teaches the fundamentals of space. These videos are open to the public and are available to anyone who wishes to learn about space. Topics include orbits, electromagnetic spectrum, spacecraft subsystems, space environment, space mission operations, propulsion, launch, and re-entry.



## PROFESSIONAL DEVELOPMENT FORUM

NSSI is expanding support to Guardians and the wider space professional community by providing a virtual forum for professional development. Follow NSSI to read articles generated by NSSI staff and students, catch news alerts, learn of NSSI job openings, and expand your professional network.



# COURSES

Below is a list of courses offered by the NSSI. For further information, review the Course Catalog on the NSSI's public website (<https://nssi.spaceforce.mil>).

## 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.

ABBREV.	COURSE NAME	TYPE	LENGTH	OFFERINGS/YR	RELEASABILITY
SP100	Space 100 (Foundational)	DL	50h over 7w	16	59 select nations + NATO
		MET	5d	18	
SP200	Space 200 (Operational)	IR	10d	15	FVEY + FRA
SP300	Space 300 (Strategic)	IR	15d	11	FVEY
SEC	Space Executive Course	IR	2d	6	FVEY
		MET	2d	14	[Unclass]: 59 select nations + NATO [TS]: AUS/CAN
MTOC	Mission Type Orders Course	DL	4-6h over 2w	12	NOFORN
MSOIC	Maritime Space Operations Integration Course	IR	10d	4	NOFORN
SWPC	Space Warfighter Prep Course	Blended	DL portion: 10h over 4w + IR portion: 15d	4	NOFORN
SLC	Squadron Leaders Course	IR	5d (Spouse: 5d)	4	N/A
Aegis	Aegis	IR	10d (Spouse: 5d)	1	N/A
CSFC	Commander of Space Forces Course	IR	5d	2	N/A

Current as of 30 Sep 2024 - Academic days are Monday-Friday

Key: DL = Distance Learning, IR = In-residence, MET = Mobile Education Team

## COLLEGE OF SPACE WARFARE



The College of Space Warfare delivers worldwide responsive and relevant space professional continuing education to members of U.S. Space Command (USSPACECOM), the Department of Defense, 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.

ABBREV.	COURSE NAME	TYPE	LENGTH	OFFERINGS/YR	RELEASABILITY
ITJS	Introduction to Joint Space	DL	40h over 9w	12	59 select nations + NATO
JSPC	Joint Space Planners Course	Blended	DL portion: 11h over 4w + IR portion: 10d	5	FVEY + FRA
JISTC	Joint Integrated Space Team Course	IR	10d	4	NOFORN
CSpC	Coalition Space Course	IR	10d	2	59 select nations + NATO
		MET	10d	2	
SIFC	Space Intelligence Fundamentals Course	IR	5d	6	FVEY
SFC	Space Familiarization Course	DL	8h over 4w	12	59 select nations + NATO
FOOC	Fundamentals of Orbital Operations Course	IR	5d	4	59 select nations + NATO
		DL	40h over 6w	4	
		MET	5d	4	
COWC	Concepts of Orbital Warfare Course	IR	7d	4	FVEY
FAST	Fundamental Application of Space Targeting	IR	5d	4	59 select nations + NATO
		DL	40h over 6w	4	
		MET	5d	4	
JSTC	Joint Space Targeting Course	IR	5d	4	FVEY
SDI 101	Space Design and Innovation 101 Course	IR	5d	4	59 select nations + NATO
		MET	5d	4	
SSCFC	Space-SOF-Cyber Foundations Course	Blended	DL portion: 30h over 5w + IR portion: 5d	4	TBD

Current as of 30 Sep 2024 - Academic days are Monday-Friday

Key: DL = Distance Learning, IR = In-residence, MET = Mobile Education Team

# ABBREVIATIONS

<b>319 CTS</b>	319th Combat Training Squadron
<b>ADDIE</b>	Analyze, Design, Develop, Implement, and Evaluate
<b>AFI</b>	Air Force Instruction
<b>AFIT</b>	Air Force Institute of Technology
<b>AFSAT</b>	Air Force Security Assistance Training Squadron
<b>ASOpS</b>	Advanced Space Operations School
<b>AU</b>	Air University
<b>AUS</b>	Australia
<b>AY</b>	Academic Year
<b>CAC</b>	Common Access Card
<b>CAN</b>	Canada
<b>Cat II</b>	Category II
<b>CC</b>	Commander/Commandant
<b>CCMD</b>	Combatant Command
<b>CDRUSSPACE-COM</b>	Commander, United States Space Command
<b>CENTCOM</b>	United States Central Command
<b>C-FC</b>	Component Field Command
<b>CGO</b>	Company Grade Officer
<b>CoLD</b>	College of Leadership Development
<b>COMSPACEFOR</b>	Commander of Space Forces
<b>CoPD</b>	College of Professional Development
<b>COR</b>	Contracting Officer's Representative
<b>CoSW</b>	College of Space Warfare
<b>COWC</b>	Concepts of Orbital Warfare Course
<b>CSFC</b>	Commander of Space Forces Course
<b>CSO</b>	Chief of Space Operations
<b>CSpC</b>	Coalition Space Course

<b>Ctr</b>	Contractor
<b>DAC</b>	Direct Ascent Course
<b>Det 1</b>	Detachment 1
<b>DIA</b>	Defense Intelligence Agency
<b>DL</b>	Distance Learning/Digital Learning
<b>DoD</b>	Department of Defense
<b>ESOC</b>	Executive Space Operations Course
<b>FAST</b>	Fundamental Application of Space Targeting
<b>FIELDCOMs</b>	Field Commands
<b>FOOC</b>	Fundamentals of Orbital Operations Course
<b>FRA</b>	France
<b>FVEY</b>	Five Eyes Alliance (Australia, Canada, New Zealand, U.K., U.S.)
<b>GOC</b>	Guardian Orientation Course
<b>GSA</b>	General Services Administration
<b>iLab</b>	Education Technology Innovation Laboratory
<b>IME</b>	International Military Education
<b>INDOPACOM</b>	United States Indo-Pacific Command
<b>IR</b>	In-residence
<b>ISD</b>	Instructional Systems Design
<b>ITJS</b>	Introduction to Joint Space
<b>ITS</b>	Introduction to Space
<b>JISTC</b>	Joint Integrated Space Team Course
<b>JQO</b>	Joint Qualified Officer
<b>JSPC</b>	Joint Space Planners Course
<b>JSTC</b>	Joint Space Targeting Course
<b>LNO</b>	Liaison Officer
<b>MET</b>	Mobile Education Team
<b>MR</b>	Mixed Reality
<b>MSOIC</b>	Maritime Space Operations Integration Course

<b>MSOIC</b>	Maritime Space Operations Integration Course
<b>MTOC</b>	Mission Type Orders Course
<b>NASA</b>	National Aeronautics and Space Administration
<b>NATO</b>	North Atlantic Treaty Organization
<b>NCO</b>	Non-Commissioned Officer
<b>NCOIC</b>	Non-Commissioned Officer in Charge
<b>NGA</b>	National Geospatial-Intelligence Agency
<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>NOFORN</b>	No Foreign
<b>NPS</b>	Naval Postgraduate School
<b>NSSI</b>	National Security Space Institute
<b>PCE</b>	Professional Continuing Education
<b>PNT</b>	Positioning, Navigation, and Timing
<b>PPBE</b>	Planning, Programming, Budgeting, and Execution
<b>RAF</b>	Royal Air Force
<b>ROK</b>	Republic of Korea
<b>SATCOM</b>	Satellite Communication
<b>SAV</b>	Staff Assistance Visit
<b>SCIF</b>	Sensitive Compartmented Information Facility
<b>SCPC</b>	Space Capstone Publication Course
<b>SDI</b>	Space Design and Innovation
<b>SEC</b>	Space Executive Course
<b>SECAF</b>	Secretary of the Air Force
<b>SELS</b>	Senior Enlisted Leaders
<b>SETC</b>	Space Education and Training Center
<b>SFC</b>	Space Familiarization Course
<b>SIDC</b>	Space Innovation and Development Center
<b>SIFC</b>	Space Intelligence Fundamentals Course
<b>SLC</b>	Squadron Leaders Course
<b>SNCO</b>	Senior Non-Commissioned Officer

<b>SOF</b>	Special Operations Forces
<b>SOOQC</b>	Space Operations Officer Qualification Course
<b>SOPSC</b>	Space Operations School
<b>SP100</b>	Space 100
<b>SP200</b>	Space 200
<b>SP300</b>	Space 300
<b>SPACE-FOREUR-AF</b>	United States Space Forces – Europe and Africa
<b>SPACEFOR-IN-DOPACOM</b>	United States Space Forces – Indo-Pacific
<b>SpOC</b>	Space Operations Command
<b>SPRL</b>	Space Professional Reading List
<b>SSC</b>	Space Systems Command
<b>SSCFC</b>	Space-SOF-Cyber Foundations Course
<b>STAR DEL(P)</b>	Space Training and Readiness Delta Provisional
<b>STARCOM</b>	Space Training and Readiness Command
<b>STS</b>	Space Tactics School
<b>SWPC</b>	Space Warfighter Prep Course
<b>UCCS</b>	University of Colorado-Colorado Springs
<b>U.K.</b>	United Kingdom
<b>U.S.</b>	United States
<b>USA</b>	United States Army
<b>USAF</b>	United States Air Force
<b>USAFA</b>	United States Air Force Academy
<b>USCYBERCOM</b>	United States Cyber Command
<b>USMC</b>	United States Marine Corps
<b>USN</b>	United States Navy
<b>USSF</b>	United States Space Force
<b>USSOCOM</b>	United States Special Operations Command
<b>USSPACECOM</b>	United States Space Command
<b>XP</b>	Plans and Programs Division

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# ANNUAL REPORT

ACADEMIC YEAR 2024

Oct 2023 to Sep 2024



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