



Preparing the Next Generation for Space Operations



COLUMBIA SOUTHERN UNIVERSITY

Designed for Today's Space Workforce

Columbia Southern University's Space Operations programs provide students with a comprehensive understanding of the systems, technologies, and operational challenges associated with the space domain. Offered as a certificate, a Bachelor of Science in Space Operations, and concentrations within the B.S. in Strategic Leadership and the B.S. in Military Studies, these programs emphasize space systems, mission operations, policy, and security considerations relevant to both defense and commercial space environments.

Bachelor of Science in Space Operations

The Bachelor of Science in Space Operations provides students with an in-depth understanding of the foundational principles, technological advances, operational challenges, and strategic implications of managing and performing operations in the space domain. The program arms graduates with a foundation in the theoretical principles and practical application related to space operations.

Degree at a Glance

Number of Credit Hours.....120
Maximum Transfer Credits..... 90

Bachelor of Science in Strategic Leadership – Space Operations

The Bachelor of Science in Strategic Leadership prepares graduates with the skills required to lead and effect change in diverse organizational environments. This program of study emphasizes theory and application of communication, human relations, leadership, and research applicable to today's workforce. The curriculum focuses on student development of strategic leadership skills by sharpening vital critical thinking, reasoning, creative problem-solving, information literacy, and communication skills. These skills can be leveraged in students' current roles while enhancing and developing their knowledge and abilities to prepare them for future professions.

Degree at a Glance

Number of Credits Hours.....120
Maximum Transfer Credits..... 90

Bachelor of Science in Military Studies – Space Operations

The Bachelor of Science in Military Studies equips students with a knowledge of military logistics, tactics, communications, and outcomes so that students may not only analyze current military operations, but also prepare for the future of the military. Students may utilize the topics covered in this program, such as leadership, relationships, decision-making, and problem-solving to pursue careers within the military as well as military-related civilian positions in various fields including business, public safety, and education.

Degree at a Glance

Number of Credits Hours.....120
Maximum Transfer Credits..... 90

Undergraduate Certificate in Space Operations

The undergraduate certificate in Space Operations equips students with the knowledge and skills to assess evolving threats and operational challenges in the space domain. Using scientific concepts associated with space operations, students examine strategies, policies, and technologies to operate in the space industry.

Certificate at a Glance

Number of Credit Hours..... 12
SPC 3301 – Introduction to Space Operations
SPC 3304 – Fundamentals of Orbital Mechanics
SPC 4301 – Space Domain Awareness
SPC 4309 – Space Systems

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Multiple factors, including prior experience, geography and degree field, affect career outcomes. CSU does not guarantee a job, promotion, salary increase, eligibility for a position, or other career growth. Any reference to United States Department of Defense (DoD) personnel, products or services does not constitute or imply endorsement by the DoD.


Why CSU?

Experienced Program Development


CSU's Space Operations programs are informed by experienced industry and military leaders, including retired senior U.S. Air Force leaders **Mike Perry, JoAnne Bass, and Kaleth Wright**, whose operational and strategic experience helps shape workforce-relevant curriculum.

U.S. Air Force leaders are referenced for their professional experience; programs are not affiliated with or endorsed by the Department of Defense.


Low Tuition Rates

 CSU is committed to providing high-quality online education at an affordable cost. On average, CSU tuition is less than half the cost of many competitors, and course learning materials are provided at no additional charge.

No Cost for Course Materials

 The cost of textbooks can take a toll on your wallet. That's why CSU provides course materials at no cost to you. CSU carefully selects textbooks, eTextbooks or Integrated Learning Resources for each course, ensuring you have the most effective materials to supplement your learning experience.

Accreditation & Institutional Recognition

 Columbia Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate, baccalaureate, master's and doctorate degrees, and certificates.

CSU is nationally recognized for its integrity, rigorous academic material, transparency and high-caliber instruction.

By The Numbers

Graduate & Undergraduate Tuition Rates

	Tuition Per Credit Hour	Learning Partners [†] Per Credit Hour
Undergraduate Courses*	\$278.00	\$250.20
Graduate Courses*	\$359.00	\$323.10
Doctoral Courses	\$561.00	\$504.90

Tuition rate effective July 1, 2025. Rates are per credit hour. Most courses are three (3) credit hours. Tuition and fees are payable in U.S. funds. Tuition rates are subject to change. For the most current tuition information, visit ColumbiaSouthern.edu/Financial.

*The undergraduate and graduate tuition rate for all active-duty military using military tuition assistance is \$250 per credit hour. (Discount not applicable for Learning Partners.)

[†]CSU Learning Partners receive a tuition discount that is applied to the full tuition rate.

A technology fee of \$35 per undergraduate course, \$45 per graduate course and \$60 per doctoral course will be applied to tuition. Technology fees do not apply to active-duty U.S. service members.

Flexible Online Learning Options



Giving our students the flexibility they need to fit education into their busy schedules is at the core of our mission. Our degree programs are designed to accommodate full-time workers, parents, military members or anyone else who is balancing school with other life commitments.

Transfer Credit



CSU accepts transfer credit for prior academic coursework, training, and relevant professional licenses and certifications. A complimentary transcript request service is available to assist students in locating prior academic records.

Pending Prior Learning Assessment (PLA) process. Amount of transfer credits is dependent upon transcript evaluation.

Career Services



CSU's Department of Career Services provides students and alumni with career development resources at no additional cost. Services include job search strategies, résumé and professional correspondence review, interview preparation and more.



"Columbia Southern University's College of Space, Intelligence, and Military Operations recognizes the critical need for leaders who can navigate the complexities of the modern space domain."

MIKE PERRY
CMSgt, USAF, Ret.
Dean, College of Space, Intelligence, and Military Operations



Industry-Experienced Faculty

Dr. Daniel Singleton serves as a professor of space operations for the College of Military Studies and Leadership while also serving as a Senior Science, Space, and Technology Analyst with the U.S. government. In his current role, he leads oversight and evaluation of major science and technology projects, including National Science Foundation's major and mid-scale research infrastructure initiatives such as the Vera C. Rubin Observatory and the High-Luminosity Large Hadron Collider (HL-LHC) detector upgrades. Previously, he led his agency's team responsible for assessing NASA's major projects and programs, including high-profile missions such as the Mars Perseverance Rover, Mars Sample Return, James Webb Space Telescope, and Space Launch System. His portfolio also included evaluation of the U.S. Navy's Columbia-class submarine program.

Dr. Singleton's education includes a Doctor of Business Administration with specializations in organizational psychology and public administration, and he is currently pursuing a Master of Advanced Study in Engineering degree from the University of California, Berkeley. His professional credentials include a designation in federal contract management, a Space Policy Fellowship, and a professional certificate in aerospace engineering from the Massachusetts Institute of Technology (MIT).

To learn more about our online degree programs, visit ColumbiaSouthern.edu or call 877.347.6050.