

Master of Space Operations

The Master of Space Operations (MSO) provides graduates of the program the necessary knowledge, skills and abilities to secure meaningful careers within today's growing space industry. This industry encompasses three major entities including: commercial space companies such as Blue Origin, civil space entities such as NASA, and the Department of Defense, such as the military's new Space Force. The degree program will be offered fully online, along with additional options for other learning modalities. The MSO degree takes a balanced approach with integrated and interdisciplinary curriculum rooted in areas of 1) domain awareness, 2) technical understanding and 3) functional execution.

Estimated Cost of Attendance

Students will:

- Evaluate key elements within the space domain and its operational ecosystem.
- Apply STEM principles and theory necessary for conducting spaceflight operations.
- Create strategies for developing space capability and executing spaceflight missions.
- Demonstrate the requisite professional skills desired by large multinational agencies.

DEGREE REQUIREMENTS

Core/Major

Space Operations Core		
SPAC 500	Overview of the Space Ecosystem	3
SPAC 505	The Launch Industry	3
SPAC 510	The Satellite Communications Industry	3
SPAC 511	Earth Observation and Remote Sensing	3
SPAC 512	Human Spaceflight Industry	3
SPAC 514	Commercial and Governmental Space Infrastructure	3
SPAC 515	Cybersecurity Applications in Space	3
SPAC 520	Space Technology and Systems	3
SPAC 525	Space Law and Policy	3
PMGT 652	Concepts and Practices of Project Management	3
Total Credits		30