

Pathway: Pathway in Military Science*

Purpose:

The Military Science pathway is designed to equip students with the necessary knowledge and skills for leadership roles in military and defense sectors. This interdisciplinary program combines courses in military tactics, leadership, ethics, engineering applications, and military history. Graduates will be well-prepared for careers in the armed forces, defense contracting, intelligence analysis, and national security.

Career Outcomes:

- Military Officer
- Defense Analyst
- Intelligence Officer
- Military Strategist
- National Security Advisor
- Defense Contractor
- Homeland Security Specialist

8-Course Academic Pathway

1. **MSCI 301 - Military Tactics and Operations**
 - **Description:** Study of military tactics, operational planning, and execution. Includes field training exercises.
 - **Prerequisite:** None
 - **Level:** 300
2. **MSCI 302 - Advanced Military Tactics**
 - **Description:** Advanced study of military tactics and operations. Focus on complex tactical scenarios and leadership in high-stress environments.
 - **Prerequisite:** MSCI 301
 - **Level:** 300
3. **MSCI 30311 - Leadership and Communication Skills**
 - **Description:** Develops leadership and communication skills essential for effective military leadership. Includes practical exercises and case studies.
 - **Prerequisite:** MSCI 301
 - **Level:** 300
4. **MSCI 401 - Military Leadership and Ethics**
 - **Description:** Examination of ethical issues in the military. Includes case studies and discussions on ethical decision-making and leadership.
 - **Prerequisite:** MSCI 302
 - **Level:** 400
5. **MSCI 402 - Strategic Planning and Execution**
 - **Description:** Focuses on strategic planning processes, including mission analysis, resource allocation, and execution. Emphasizes leadership at the organizational level.

- **Prerequisite:** MSCI 401
- **Level:** 400
- 6. **MSCI 404 - Applied Leadership in Small Unit Operations**
 - **Description:** Emphasizes leadership in small unit operations, including planning, coordination, and execution of missions.
 - **Prerequisite:** MSCI 302
 - **Level:** 400
- 7. **GEEN 310 - Engineering Applications in Military Science**
 - **Description:** Focuses on the application of engineering principles to solve problems in military operations, including the design and implementation of military technologies.
 - **Prerequisite:** Basic engineering courses or instructor approval
 - **Level:** 300
- 8. **HIST 304 - Military History**
 - **Description:** Survey of significant military conflicts and developments throughout history. Analysis of strategies, outcomes, and historical impact.
 - **Prerequisite:** None
 - **Level:** 300

This pathway provides a robust education in military science, combining leadership training, tactical skills, ethical considerations, communication strategies, historical context, and engineering applications. Students gain the knowledge and skills necessary for effective leadership and decision-making in military and defense roles.

Restrictions:

- **Prerequisite Courses:** Must complete prerequisites for advanced courses as specified.
- **Level Requirements:** Must enroll in 300 and 400-level courses to ensure advanced understanding and specialization in the field.
- **Instructor Approval:** For certain courses like GEEN 310, instructor approval may be required if prerequisites are not explicitly met.
- **Restricted:** ROTC Cadets
- **Modality:** Face to Face only