

# MILITARY SCIENCE (MILS)

## MILS 1101 - Introduction to the Army (2 Credits)

This course focuses on introduction to the Army and basic Soldier skills. It introduces students to the Army and the Profession of Arms. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model while gaining a complete understanding of the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Students also begin learning map reading and land navigation. Students will have initial classes on fieldcraft, first aid, individual/team movement techniques that will include a monthly lab facilitated by MS III Cadets and supervised by MS IV's and cadre. The lab is not a requirement for students who do not enroll in ROTC.

**Last Four Terms Offered:** Fall 2024, Fall 2023, Fall 2022, Fall 2021  
Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 1102 - Foundations in Leadership (2 Credits)

MS1102 introduces students to the personal challenges and competencies that are critical for effective leadership. Students learn how the personal development of life skills such as critical thinking, time management, goal setting, and communication. Students learn the basics of the communications process and the importance for leader's to develop the essential skills to effectively communicate in the Army. Students will begin learning the basics of squad level tactics.

**Last Four Terms Offered:** Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 1111 - Leadership Laboratory I (1 Credit)

Crosslisted with PE 1851

MILS I cadets meet for eight hours each month to learn a variety of military skills including rappelling, first aid, drill and ceremonies, weapons familiarization, physical fitness training, and small group leadership.

**Last Four Terms Offered:** Spring 2025, Fall 2024, Spring 2024, Fall 2023  
Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 2201 - Leadership and Ethics (2 Credits)

Focuses on leadership and ethics. The course adds depth to the student's knowledge of the different leadership styles. Students will conduct a leadership analysis of famous leaders and self-assessment of their own leadership style. The Army Profession is also stressed through understanding values, ethics and how to apply both to different situations they may encounter as a leader. Army Values and Ethics and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. Troop Leading Procedures (TLPs) are introduced through case studies and roleplaying exercises.

**Last Four Terms Offered:** Fall 2024, Fall 2023, Fall 2022, Fall 2021  
Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 2202 - Army Doctrine and Decision Making (2 Credits)

This course focuses on Army doctrine and decision making. The course begins with analytical techniques, creative thinking skills and the Army problem solving process as related to situations faced by leaders when making decisions. TLPs and Operations Orders (OPORD) will lead Cadets to an understanding of Army Doctrine and Symbology. Squad tactics will be covered in classes on Multi-Domain Operations, Offensive Operations and Defensive Operations.

**Last Four Terms Offered:** Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 2211 - Leadership Laboratory II (1 Credit)

Crosslisted with PE 1852

Cadets meet for eight hours each month as members of the cadet organization to participate in practical leadership exercises. Types of practical activities include rifle marksmanship, orienteering, drill and ceremonies, signal communications, physical fitness training, first aid, tactics, field exercises, and small group leadership.

**Last Four Terms Offered:** Spring 2025, Fall 2024, Spring 2024, Fall 2023  
Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 3301 - Training Management and the Warfighting Functions (2 Credits)

MSL 3301 focuses on training management and the warfighting functions. It is an academically challenging course where you will study, practice, and apply the fundamentals of Training Management and how the Army operates through the Warfighting functions. At the conclusion of this course, you will be capable of planning, preparing, and executing training for a squad conducting small unit tactics.

**Last Four Terms Offered:** Fall 2024, Fall 2023, Fall 2022, Fall 2021  
Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 3302 - Applied Leadership in Small Unit Operations (2 Credits)

MSL3302 balances adaptability and professional competence building on the lessons introduced in MSL301. Various platoon operations are stressed in order to familiarize Cadets with material they can expect to execute during Cadet Summer Training. Adaptability concepts introduced include analysis of complex problems, creating solutions that exhibit agile and adaptive thinking, analysis of the situational environment, and formulation of solutions to tactical and organizational problems. This is an academically challenging course where you will study, practice, and apply the fundamentals of Army Leadership, Officership, Army Values and Ethics, Personal Development, and small unit tactics at the platoon level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating, and leading a squad or platoon in the execution of a mission. You will be required to write peer evaluations and receive feedback on your abilities as a leader and how to improve those leader skills that will further develop you as a successful officer. You will receive systematic and specific feedback on your leader attributes, values, and core leader competencies from your instructor, other ROTC cadre, and MSL IV Cadets who will evaluate you using the Cadet Officer Evaluation System.

**Last Four Terms Offered:** Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 3311 - Leadership Laboratory III (1 Credit)

Crosslisted with PE 1853

Cadets meet for eight hours each month to prepare for a five-week summer camp that follows their junior year. Emphasis is placed on the development of individual practical and leadership skills. Cadets rotate through leadership positions to practice applying decision-making skills in a myriad of situations.

**Last Four Terms Offered:** Spring 2025, Fall 2024, Spring 2024, Fall 2023  
Schedule of Classes (<https://classes.cornell.edu/>)

## MILS 4400 - Special Problems for Advanced Undergraduates (1-4 Credits)

Individual investigation, research, studies, or surveys of selected problems that allow contracted ROTC Cadets to design a course of study to investigate selected topics in military science more completely.

**Last Four Terms Offered:** Spring 2025, Fall 2024, Spring 2024, Fall 2023  
Schedule of Classes (<https://classes.cornell.edu/>)

**MILS 4401 - The Army Officer (2 Credits)**

MSL 4401 Focuses on development of the Army Officer. It is an academically challenging course where you will develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. You will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, you will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company level.

**Last Four Terms Offered:** Fall 2024, Fall 2023, Fall 2022, Fall 2021

Schedule of Classes (<https://classes.cornell.edu/>)

**MILS 4402 - Company Grade Leadership (2 Credits)**

This course is an academically challenging course where you will develop knowledge, skills, and abilities required of junior officers pertaining to the Army in Multi-Domain Operations and Company Grade Officer roles and responsibilities. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, practical exercises, a mid-term exam, and an Oral Practicum as the final exam. Successful completion of this course will assist in preparing you for your BOLC B course and is a mandatory requirement for commissioning.

**Last Four Terms Offered:** Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes (<https://classes.cornell.edu/>)

**MILS 4411 - Leadership Laboratory IV (1 Credit)**

Crosslisted with PE 1854

Senior cadets plan and operate the leadership laboratory programs for MILS I-III cadets. The development of planning and supervisory skills is emphasized. Cadets have an opportunity to practice leadership skills developed during previous ROTC training and summer camp experiences. Includes two to three hours a week devoted to physical fitness.

**Last Four Terms Offered:** Spring 2025, Fall 2024, Spring 2024, Fall 2023

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