

# MILITARY SCIENCE

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Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings.

More Info (<https://one.ufl.edu/soc/>)

*Unless otherwise indicated in the course description, all courses at the University of Florida are taught in English, with the exception of specific foreign language courses.*

## Division Information

Air Force ROTC prepares undergraduate students to become officers in the United States Air Force. Army ROTC at the University of Florida is one of the oldest and best leadership courses in the country. The University of Florida's Naval Reserve Officer Training Corps carries on the fine tradition of training the future Officers of the United States Naval Service.

**Website** (<http://rotc.ufl.edu/>)

### CONTACT

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**Map** (<http://campusmap.ufl.edu/#/index/0023>)

### Curriculum

- Aerospace Leadership Minor
- Military Science and Leadership Minor

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## Courses

### AFR 1101 The Air Force Today 1 Credit

**Grading Scheme:** Letter Grade

Introduces the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems and an introduction to communication skills.

**Corequisite:** AFR 1101L.

### AFR 1101L General Military Course (GMC) Leadership Laboratory 1 Credit

**Grading Scheme:** S/U

Air Force customs, courtesies, drills and ceremonies; issuing military commands; instructing, directing and evaluating the preceding skills; studying the environment of an Air Force officer; and learning about areas of opportunity available to commissioned officers.

**Corequisite:** AFR 1101.

### AFR 1120 The Air Force Today 1 Credit

**Grading Scheme:** Letter Grade

Introduces the United States Air Force and Air Force Reserve Officer Training Corps. Topics include introduction to flight, oral and written communication techniques and an overview of military services.

**Corequisite:** AFR 1120L.

### AFR 1120L General Military Course (GMC) Leadership Laboratory 1 Credit

**Grading Scheme:** S/U

Air Force customs, courtesies, drills and ceremonies; issuing military commands; instructing, directing and evaluating the preceding skills; studying the environment of an Air Force officer; and learning about areas of opportunity available to commissioned officers.

**Corequisite:** AFR 1120.

### AFR 2130 The Evolution of USAF Air and Space Power 1 Credit

**Grading Scheme:** Letter Grade

Examines USAF air and space power from a historical perspective. Covers the earliest aircraft, both World Wars, the Korean and Vietnam conflicts, air and space employment during the Cold War.

**Corequisite:** AFR 2130L.

**AFR 2130L General Military Course (GMC) Leadership Laboratory 1 Credit**

**Grading Scheme:** S/U

Air Force customs, courtesies, drills and ceremonies; issuing military commands; instructing, directing and evaluating the preceding skills; studying the environment of an Air Force officer; and learning about areas of opportunity available to commissioned officers.

**Corequisite:** AFR 2130.

**AFR 2140 The Evolution of USAF Air and Space Power 1 Credit**

**Grading Scheme:** Letter Grade

Continuation of AFR 2130 and the exploration of Air Force history, beginning with the Vietnam era and culminating with the application of air and space power in recent conflicts.

**Corequisite:** AFR 2140L.

**AFR 2140L General Military Course (GMC) Leadership Laboratory 1 Credit**

**Grading Scheme:** S/U

Air Force customs, courtesies, drills and ceremonies; issuing military commands; instructing, directing and evaluating the preceding skills; studying the environment of an Air Force officer; and learning about areas of opportunity available to commissioned officers.

**Corequisite:** AFR 2140.

**AFR 3220 Air Force Leadership and Management 3 Credits**

**Grading Scheme:** Letter Grade

Leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics and communication skills required of an Air Force junior officer. Case studies examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts studied.

**Corequisite:** AFR 3220L.

**AFR 3220L Professional Officer Course (POC) Leadership Laboratory 1 1 Credit**

**Grading Scheme:** S/U

Advanced leadership experiences planning and controlling military activities of the cadet corps, the preparation and presentation of briefings and other communications, and the interviews, guidance and information to increase cadet understanding, motivation and performance.

**Corequisite:** AFR 3220.

**AFR 3231 Air Force Leadership and Management 3 Credits**

**Grading Scheme:** Letter Grade

Studies leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics and communication skills required of an Air Force junior officer. Case studies examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts studied.

**Corequisite:** AFR 3231L.

**AFR 3231L Professional Officer Course (POC) Leadership Laboratory 2 1 Credit**

**Grading Scheme:** S/U

Advanced leadership experiences planning and controlling military activities of the cadet corps, the preparation and presentation of briefings and other communications, and the interviews, guidance and information to increase cadet understanding, motivation and performance.

**Corequisite:** AFR 3231.

**AFR 4201 Preparation for Active Duty 1 3 Credits**

**Grading Scheme:** Letter Grade

Examines the national security process, regional studies, advanced leadership ethics and Air Force doctrine. Topics focus on the military as a profession, officership, military justice and civilian control of the military. Within this structure, continued emphasis is given to refining communication skills.

**Corequisite:** AFR 4201L.

**AFR 4201L Professional Officer Course (POC) Leadership Laboratory 3 1 Credit**

**Grading Scheme:** S/U

Advanced leadership experiences planning and controlling military activities of the cadet corps, the preparation and presentation of briefings and other communications, and the interviews, guidance and information to increase cadet understanding, motivation and performance.

**Corequisite:** AFR 4201.

**AFR 4211 Preparation for Active Duty 2 3 Credits**

**Grading Scheme:** Letter Grade

Examines advanced leadership ethics, officership, preparation for active duty and current issues affecting military professionalism. Continued emphasis is given to refining communication skills.

**Corequisite:** AFR 4211L.

**AFR 4211L Professional Officer Course (POC) Leadership Laboratory 4 1 Credit**

**Grading Scheme:** S/U

Advanced leadership experiences planning and controlling military activities of the cadet corps, the preparation and presentation of briefings and other communications, and the interviews, guidance and information to increase cadet understanding, motivation and performance.

**Corequisite:** AFR 4211.

**MSL 1001 Foundations of Officership 2 Credits****Grading Scheme:** Letter Grade

Purpose and organization of the Army Reserve Officer Training Corps (ROTC) and the United States Army. Introduction to military customs and traditions, rank structure and the role of an Army officer. Each student must register for and attend a two-hour weekly leadership laboratory (MSL 1001L).

**MSL 1001L Freshman Leadership Laboratory 0 Credits****Grading Scheme:** Letter Grade

Laboratory consists of a two-hour block of instruction that directly supports freshman classroom instruction. Participation in at least one weekend field training session, one community service project and two army physical fitness tests are required.

**Corequisite:** MSL 1001.**MSL 1002 Basic Leadership 2 Credits****Grading Scheme:** Letter Grade

Study and application of the Army ROTC Leadership Development Program (LDP). Instruction includes theory and application of leadership principles, competencies and dimensions. Individual leadership is developed through hands-on instruction in basic, individual military skills. Introduces students to leadership attributes and the application of those attributes in and out of the classroom. Students must register for and attend a two-hour weekly leadership laboratory (MSL 1002L).

**MSL 1002L Freshman Leadership Laboratory 0 Credits****Grading Scheme:** Letter Grade

Laboratory consists of a two-hour block of instruction that directly supports freshman classroom instruction. Participation in at least one weekend field training session, one community service project and two army physical fitness tests are required.

**Corequisite:** MSL 1002.**MSL 2101 Individual Leadership Studies 2 Credits****Grading Scheme:** Letter Grade

The future leader through classroom instruction, laboratory application and an in-depth look at basic troop/organization leadership principles and skills. Provides training on the basics of rifle marksmanship and instruction on the principles of modern warfare and effective writing. Students must register for and attend a two-hour weekly leadership laboratory (MSL 2101L).

**MSL 2101L Sophomore Leadership Laboratory 0 Credits****Grading Scheme:** Letter Grade

Laboratory consists of a two-hour block of instruction that directly supports sophomore classroom instruction. Participation in at least one weekend field training session, one community service project and two army physical fitness tests are required.

**Corequisite:** MSL 2101.**MSL 2102 Leadership and Teamwork Techniques 2 Credits****Grading Scheme:** Letter Grade

The future leader through classroom instruction, laboratory application and an in-depth look at basic troop/organization leadership principles and skills. Provides training on the basics of rifle marksmanship and instruction on the principles of modern warfare and effective writing. Students must register for and attend a two-hour weekly leadership laboratory.

**MSL 2102L Sophomore Leadership Laboratory 0 Credits****Grading Scheme:** Letter Grade

Laboratory consists of a two-hour block of instruction that directly supports sophomore classroom instruction. Participation in at least one weekend field training session, one community service project and two army physical fitness tests are required.

**Corequisite:** MSL 3202.**MSL 3201 Leadership and Problem Solving 3 Credits****Grading Scheme:** Letter Grade

Instruction for the advanced ROTC cadet in infantry squad tactics and operations to broaden general military skills and enhance performance at ROTC Advanced Camp. Topics include the ROTC Leadership Development Program (LDP), land navigation and map reading, basic rifle marksmanship techniques, effective written and oral communication skills, troop leading procedures and infantry squad offensive and defensive operations. Cadets must attend a two-hour weekly leadership laboratory and participate in a physical fitness program given at times other than normal class sessions.

**MSL 3202 Leadership and Ethics 3 Credits****Grading Scheme:** Letter Grade

Improves cadet proficiency in those military subjects necessary to meet minimum standards of technical competence and self-confidence required of a junior officer in the US Army. Prepares cadets for participation at ROTC advanced camp. Major emphasis during course is physical training and field training exercises. Student must attend a weekly two-hour leadership laboratory and participate in physical fitness sessions given at times other than normal class sessions.

**MSL 4301 Leadership and Management 3 Credits****Grading Scheme:** Letter Grade

Designed to prepare cadets for duty as commissioned officers. Instruction centers on proficiency/familiarization with the military justice system, military administration, the officer professional management system, international laws of war and principles of management/leadership. Students also participate in a physical fitness program.

**MSL 4302 Officership 3 Credits****Grading Scheme:** Letter Grade**MSL 4905 Independent Study 1-3 Credits****Grading Scheme:** Letter Grade

Readings and discussion in advanced topics of military science.

**Prerequisite:** department permission.**MSL 4941 Advanced Leader Training 4 Credits****Grading Scheme:** Letter Grade

National advanced leader's course is the Army's 5-week leader internship conducted at Fort Lewis, Washington, from June through August. The camp places each cadet and officer candidate in a variety of leadership positions, many of which simulate stressful combat situations. Cadets are evaluated by platoon tactical officers and NCOs. Training is organized into separate committees in a tiered structure, including basic military skills, leadership development, tactical training, basic rifle marksmanship and situational training exercises. Evaluation is continual.

**NSC 1101L Naval Science Laboratory 0 Credits****Grading Scheme:** S/U

Drill, basic commands, courtesies and honors, orientation and information.

**NSC 1110 Introduction to Naval Science 2 Credits****Grading Scheme:** Letter Grade

Introduction to the naval profession and to concepts of seapower. Instruction emphasizes the mission, organization and warfare components of the Navy and Marine Corps. Included is an overview of officer and enlisted ranks and rates, training and education and career patterns. Also covers naval courtesy and customs, military justice, leadership and nomenclature, and exposes the student to the professional competencies required to become a naval officer.

**NSC 1140 Seapower and Maritime Affairs 3 Credits****Grading Scheme:** Letter Grade

US naval history from the Phoenicians to the present with emphasis on major developments. Included is an in-depth discussion of the geopolitical theory of Mahan. Discusses present-day concerns in sea-power and maritime affairs, including the economic and political issues of merchant marine commerce, the Navys involvement in liberation and terrorist movements overseas and the massive changes in the US Navy due to the breakup of the Soviet Union.

**Attributes:** Satisfies 2000 Words of Writing Requirement**NSC 2102L Naval Science Laboratory 0 Credits****Grading Scheme:** S/U

Drill, basic commands, courtesies and honors, orientation, and information.

**NSC 2121 Naval Ships Systems 1: Engineering 3 Credits****Grading Scheme:** Letter Grade

Basic power systems used in naval propulsion systems, a basic understanding of the thermodynamic process, a working knowledge of major auxiliary ship systems and basic consideration for ship design and stability. Basic electrical theory and damage control are also included.

**NSC 2122 Naval Ships Systems 2: Weapons 3 Credits****Grading Scheme:** Letter Grade

Introduction to the theory, characteristics and principles of operation of naval weapons systems. Includes coverage of types of weapons and fire control systems, capabilities and limitations, theory of target acquisition, identification and tracking, trajectory principles and basics of naval ordnance.

**NSC 2222 Evolution of Warfare 3 Credits****Grading Scheme:** Letter Grade

The purpose of this course is to explore the form of warfare employed by great people in history in order to formulate the sense of historical flow or continuity in the evolution of warfare, to develop a basic sense of strategy, to demonstrate alternative military actions and to explore the impact of historical precedent on military thought and actions as practiced by the great leaders and military organizations.

**Attributes:** General Education - Social Science, Satisfies 4000 Words of Writing Requirement**NSC 2226C Fundamentals of Maneuver Warfare 3 Credits****Grading Scheme:** Letter Grade

This course analyzes the United States Marine Corps as the overarching case study for the advent of maneuver warfare. The value is not simply to learn what has happened in the past, but to use these lessons as the basis for making practical judgments about the present and future.

**Attributes:** General Education - Social Science**NSC 3103L Naval Science Laboratory 0 Credits****Grading Scheme:** S/U

Practical exercises dealing with the specifics of naval organizations and leadership.

**NSC 3214C Navigation and Naval Operations 1 3 Credits****Grading Scheme:** Letter Grade

A comprehensive study of the theory, principles and procedures of ship navigation and movements. Piloting and dead reckoning as well as principles of celestial and electronic navigation. In-depth exposure to the navigational rules-of-the-road and the international regulations for preventing collisions at sea and their application to effective safe navigation. Also includes practical lab work in charting and publication usage.

**NSC 3215C Navigation and Naval Operations 2 3 Credits****Grading Scheme:** Letter Grade

A continuation of navigation and naval operations. Relative motion theory and the use of a maneuvering board. An understanding of the force, techniques and concepts associated with ship handling, including shipboard watch organization, communication systems and environmental considerations. The role of leadership ethics is discussed while developing an understanding of the process of command and control, dealing specifically with information exchange, conflict resolution and crisis decision making.

**Prerequisite:** NSC 3214C.**NSC 4104L Naval Science Laboratory 0 Credits****Grading Scheme:** S/U

Practical exercises dealing with naval organizations and leadership.

**NSC 4230 Leadership and Management 2 Credits****Grading Scheme:** Letter Grade

The principles of naval administration, stressing the experimental approach to learning the principles of leadership and management. The student develops skills in the areas of communication, counseling, control, direction, leadership and management functions and responsibilities through active, guided participation in naval-based case studies, experimental exercises and situational problems. Total quality leadership and professional responsibilities are included.

**NSC 4233 Leadership and Ethics 3 Credits****Grading Scheme:** Letter Grade

Equips the NROTC student with the skills and abilities required for competence as a commissioned officer. This final capstone course in the NROTC curriculum builds upon and focuses the managerial, professional and ethical competencies developed during previous summer cruise training and naval science courses. Ethical philosophies and real-world situations are studied through lectures, exercises and case studies. Naval personnel management, the administration of discipline and human resource management are additional areas of focus.

**NSC 4905C Independent Study 1-3 Credits****Grading Scheme:** Letter Grade

Readings, assignments, student presentations and discussions on naval science.

**Prerequisite:** department permission.