

# RESERVE OFFICER TRAINING CORPS

*For more than a century, military training has been offered at Oregon State University. Fulfilling a provision of the Morrill Act of 1862, which gave Corvallis College its first public support, an Army Cadet Corps was organized in 1873.*

ROTC at Oregon State is made up of the departments of Military Science, Naval Science, and Aerospace Studies. In 1917, the Department of Military Science became responsible for all military training under the National Defense Act of 1916. This act expanded and standardized the training of Army officers by colleges and universities and established the Reserve Officer Training Corps (ROTC). During World War II, OSU became known as the “West Point of the West” for commissioning more officers than any other nonmilitary academy in the nation. At the end of World War II, the secretary of the Navy commissioned the Department of Naval Science (NROTC) on this campus to provide the training of both Navy and Marine Corps officers. On July 1, 1949, the U.S. Air Force activated an AFROTC unit that today is called the Department of Aerospace Studies. OSU is now one of 48 colleges and universities that offer education for all three military departments.

Originally, two years of military science and tactics were required of all able-bodied male students, but since 1962, ROTC has been voluntary. Since 1965, two-year programs have been available for students who have finished two years of college but have not taken ROTC previously.

As opportunities for women to serve as officers in the armed forces grow, opportunities for women to participate in ROTC programs expand. Women have long been eligible to take ROTC course work for credit. Since 1970, they have been enrolled as cadets in Air Force ROTC and, since 1973, have also been enrolled as cadets and midshipmen in the Army and Navy ROTC programs.

## Mission and Objectives

The ROTC selects and prepares young men and women, through a program of instruction coordinated with the student’s normal academic curriculum, for commissioning and service as officers in the regular and reserve components of the Army, Navy, Air Force, and Marine Corps.

## Uniforms and Allowances

Students in each of the units receive uniforms to be worn at drill periods and on special occasions. Travel to and from any summer camps or cruises is paid. While at camp or on a cruise, the members receive food and quarters at government expense in addition to basic pay. (See the individual sections for further information on the various camps and cruises.) Those selected for the scholarship programs receive tuition, books, and fees plus \$300 to \$500 a month subsistence pay for up to 40 months.

## Flight Training

Eligible Army, Navy, Marine Corps, and Air Force ROTC students may be selected for flight training upon their successful completion of the program and commissioning.

## How to Enroll

See the Army (<https://catalog.oregonstate.edu/college-departments/rotc/military-science/>), Navy (<https://catalog.oregonstate.edu/college-departments/rotc/naval-science/>), or Air Force (<https://catalog.oregonstate.edu/college-departments/rotc/aerospace-studies/>) sections of this catalog for enrollment details for the various ROTC programs.

college-departments/rotc/naval-science/), or Air Force (<https://catalog.oregonstate.edu/college-departments/rotc/aerospace-studies/>) sections of this catalog for enrollment details for the various ROTC programs. All three departments have staff available throughout the year during normal school hours to answer any inquiries regarding the ROTC programs.

## Aerospace Studies (AS)

### AS 111, FOUNDATIONS OF THE AIR FORCE PART I, 1 Credit

The introduction to the Air Force mission and organization. Featured topics include Air Force dress and appearance stand standards; military customs and courtesies, Air Force heritage, overview of the Department of the Air Force, and Air Force core values. Basic oral and written communication will be assessed.

### AS 112, FOUNDATIONS OF THE AIR FORCE PART II, 1 Credit

Second part of the introduction to the Air Force mission and organization. Featured topics include Air Force career opportunities, Air Force benefits, military communication skills, Air Force installations, and look at the basic characteristics of war. Basic oral and written communication will be assessed.

### AS 113, FOUNDATIONS OF THE AIR FORCE PART III, 1 Credit

Third part of the introduction of what the Air Force is about and what the Air Force has to offer. Featured topics include basic leadership, team building, interpersonal skills, diversity in the Air Force, and the oath of office and commissioning. Basic oral and written communication will be assessed.

### AS 120, LEADERSHIP LABORATORY, 1 Credit

Cadets learn officership, leadership, drill and ceremony, and customs and courtesies. Lab. Graded P/N.

*This course is repeatable for 3 credits.*

### AS 211, THE EVOLUTION OF AIR AND SPACE POWER 1860-1945, 1 Credit

Study of the development of air power, concepts, and doctrine from its beginnings to the end of World War II. Historical examples examined include balloons, dirigibles, Wright Brother’s first flight, and the role of air power in World War I and II. Oral and written communication skills will be assessed.

### AS 212, THE EVOLUTION OF AIR AND SPACE POWER 1945-1990, 1 Credit

Study of the development of air power, concepts, and doctrine during the Cold War. Historical examples examined include the Berlin Airlift, nuclear deterrence, and the role of air power employment in the Korean and Vietnam conflicts. Oral and written communication skills will be assessed.

## **AS 213, THE EVOLUTION OF AIR AND SPACE POWER 1991-2025, 1 Credit**

Study of the factors contributing to the development of air power, concepts, and doctrine from the Persian Gulf War in 1990 to the present and beyond. Historical examples examined include the air campaigns used in the Gulf War, Kosovo crisis, Operations Enduring Freedom, Iraqi Freedom, and the Global War on Terrorism. Oral and written communication skills will be assessed.

## **AS 220, LEADERSHIP LABORATORY, 1 Credit**

Cadets are placed in element leadership positions in order to know and comprehend the Air Force concepts of command, discipline, tradition, and courtesies. Lab. Graded P/N.

*This course is repeatable for 10 credits.*

## **AS 299, SPECIAL TOPICS IN AIR FORCE STUDIES, 1-16 Credits**

Supervised individual work.

*This course is repeatable for 99 credits.*

## **AS 304, FIELD TRAINING, 6 Credits**

Four-week field training supplements campus courses in developing leadership and discipline. Mission, organization, and functions of an Air Force base; marksmanship, survival, and physical training; aircrew and aircraft indoctrination; orientation on specific opportunities in career fields. Conducted at an Air Force base. Graded P/N.

## **AS 311, LEADERSHIP FUNDAMENTALS, TEAM BUILDING AND PROBLEM SOLVING, 3 Credits**

Emphasis on leadership and management fundamentals, team building and problem solving. Case studies are used to examine leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. Unique exercises will be utilized to emphasize team building and problem solving. Oral and written communication skills will be assessed.

## **AS 312, EFFECTIVE SUPERVISION AND GROUP CONFLICT MANAGEMENT, 3 Credits**

Emphasis on situational leadership, group conflict management, effective supervision, professional knowledge, and communicative skills required of an Air Force officer. Unique case studies on leadership and management situations, and group conflict management will be utilized. Oral and written communication skills will be assessed.

## **AS 313, LEADERSHIP, ETHICS, AIR FORCE CORE VALUES AND ACCOUNTABILITY, 3 Credits**

Emphasis on leadership ethics, leadership core values, leadership accountability, and professional knowledge. Unique case studies on leadership ethics and accountability will be utilized. Oral and written communication skills will be assessed.

## **AS 320, LEADERSHIP LABORATORY, 1 Credit**

Cadets are placed in line and staff leadership positions as a preparation for Air Force active duty. Cadet responsibilities include planning, organizing, directing, and controlling the activities of the cadet corps. Lab. Graded P/N.

*This course is repeatable for 3 credits.*

## **AS 405, READING AND CONFERENCE, 1-16 Credits**

Supervised individual work.

*This course is repeatable for 16 credits.*

## **AS 411, NATIONAL SECURITY AFFAIRS, 3 Credits**

Emphasis on the needs for national security, evolution of American defense strategy, policy, and organization. Examination of methods for managing conflict, alliances and regional security to preserve American interests. Arms control, terrorism, and current military issues will also be addressed. Refinement of oral and written communication skills will be assessed.

## **AS 412, WORLD REGIONAL CULTURAL STUDIES, 3 Credits**

Study key transnational issues and religious or ethnic factors that shape the environment Air Force professionals must operate in. Emphasis will be on national security perspective of Africa, South Asia, East Asia, Latin America, Europe, Middle East and former Soviet Republics in transition. Refinement of oral and written communication skills will be assessed.

## **AS 413, PREPARATION FOR ACTIVE DUTY, 3 Credits**

Emphasis on current military issues, evaluation systems, military commission, and risk management. Final preparation for the Air Force professional before commissioning. Refinement of oral and written communication skills will be emphasized.

## **AS 420, LEADERSHIP LABORATORY, 1 Credit**

The senior-level Leadership Laboratory program places cadets in command, line, and staff positions as a preparation for commissioned Air Force service. Cadet responsibilities include planning, organizing, directing, coordinating, and controlling leadership laboratory and the activities of the cadet corps. Lab. Graded P/N.

*This course is repeatable for 6 credits.*

## **Military Science (MS)**

## **MS 111, MILITARY SCIENCE I: INTRODUCTION TO ARMY LEADERSHIP AND ROTC, 1 Credit**

Introduction to ROTC, and its relationship to the U.S. Army. Role of the army officer, including leadership and management fundamentals. Introduction to land navigation. Lec/lab.

## **MS 112, MILITARY SCIENCE I: INTRODUCTION TO BASIC MILITARY SKILLS, 1 Credit**

Basic small unit tactics; land navigation; how to read a topographic map and use a magnetic compass; includes practical exercises. Graded A-F only.

## **MS 113, MILITARY SCIENCE I: INTRODUCTION TO TACTICAL LEADERSHIP, 1 Credit**

Customs and traditions of the U.S. Army; unit organization and missions. Types of careers available to army officers. Practical exercises. Lec/lab.

## **MS 130, \*MILITARY PHYSICAL CONDITIONING, 1 Credit**

Prepares military science cadets and university students to excel in the Army Physical Fitness Test (AFPT). (Bacc Core Course)

**Attributes:** CSFT – Core, Skills, Fitness

*This course is repeatable for 11 credits.*

## **MS 211, MILITARY SCIENCE II: FOUNDATIONS OF LEADERSHIP I, 2 Credits**

An examination of effective leadership. Development of interpersonal skills using practical exercises and case studies. Graded A-F only. Lec/lab.

## **MS 212, MILITARY SCIENCE II: FUNDAMENTALS OF LEADERSHIP II, 2 Credits**

History of the American soldier from 1775 to 1919; weaponry and tactics of the American Army. Use of battle analysis and war gaming included.

## **MS 213, MILITARY SCIENCE II: FUNDAMENTALS OF MILITARY OPERATIONS, 2 Credits**

Basic U.S. Army tactics at the individual, team, and squad levels. Integration of military skills in offensive and defensive operations. Graded A-F only. Lec/lab.

## **MS 214, MILITARY SCIENCE: LEADER'S TRAINING COURSE (LTC), 6 Credits**

Four weeks of classroom and field training at Fort Knox, Kentucky. Can substitute for the first two years of the ROTC program.

## **MS 311, MILITARY SCIENCE III: LEADERSHIP AND MANAGEMENT OF MILITARY ORGANIZATION, 3 Credits**

Study of military leadership, management, theory and dynamics of the military team. Applies principles to advanced military operations. Includes leadership, management, and organizational theory; group dynamics; functions of staff organizations; development of the commander's estimate; combat orders and plans; troop leading procedures; application of leadership concepts in offensive and defensive operations at the squad, platoon, and company level; and fundamentals of small-unit tactics/patrolling. Graded A-F only. Lec/lab.

## **MS 312, MILITARY SCIENCE III: LEADERSHIP AND MANAGEMENT OF MILITARY ORGANIZATIONS, 3 Credits**

Study of military leadership, management, theory and dynamics of the military team. Applies principles to advanced military operations. Includes leadership, management, and organizational theory; group dynamics; functions of staff organizations; development of the commander's estimate; combat orders and plans; troop leading procedures; application of leadership concepts in offensive and defensive operations at the squad, platoon, and company level; and fundamentals of small-unit tactics/patrolling. Graded A-F only. Lec/lab.

## **MS 313, MILITARY SCIENCE III: LEADERSHIP AND MANAGEMENT OF MILITARY ORGANIZATIONS, 3 Credits**

Study of military leadership, management, theory and dynamics of the military team. Applies principles to advanced military operations. Includes leadership, management, and organizational theory; group dynamics; functions of staff organizations; development of the commander's estimate; combat orders and plans; troop leading procedures; application of leadership concepts in offensive and defensive operations at the squad, platoon, and company level; and fundamentals of small-unit tactics/patrolling. Graded A-F only. Lec/lab.

## **MS 314, MILITARY SCIENCE: LEADER DEVELOPMENT AND ASSESSMENT COURSE, 6 Credits**

Practical and theoretical instruction and training in soldier skills for four weeks. Practical leadership application and experience in a military environment.

**Prerequisite:** MS 311 with D- or better and MS 312 [D-] and MS 313 [D-]

## **MS 405, READING AND CONFERENCE, 1-16 Credits**

*This course is repeatable for 16 credits.*

## **MS 411, MILITARY SCIENCE IV: ADAPTIVE LEADERSHIP, 3 Credits**

Train, mentor and evaluate underclass cadets. Learn duties and responsibilities of Army staff office and apply processes. Execute and assess battalion training events. Understand and employ risk management process and use soldier fitness program to reduce and manage stress. Graded A-F only. Lec/lab.

## **MS 412, MILITARY SCIENCE IV: PREPARATION FOR OFFICERSHIP, 3 Credits**

Recent military history, national defense policy and its application in current world events. Includes military law; law of land warfare; small-unit administration; and ethics and professionalism with emphasis on applied leadership, management techniques, and ethical decision making. Designed to assist the future army officer with the transition from student to junior officer leader. Graded A-F only. Lec/lab.

## **MS 413, MILITARY SCIENCE IV: PREPARATION FOR OFFICERSHIP, 3 Credits**

Recent military history, national defense policy and its application in current world events. Includes military law; law of land warfare; small-unit administration; and ethics and professionalism with emphasis on applied leadership, management techniques, and ethical decision making. Designed to assist the future army officer with the transition from student to junior officer leader. Graded A-F only. Lec/lab.

### **Naval Science (NS)**

## **NS 002, LEADERSHIP, 0 Credits**

Provides students with basic personal and interpersonal leadership skills that can be used within and outside of a work setting. Through practice, the leadership experience help students explore motivation, decision-making, time management, power, team building, conflict, ethics, dealing with change, communication skills, and diversity issues.

## **NS 111, INTRO TO NAVAL SCIENCE, 3 Credits**

Naval organization and administration; organization of the Navy or Marine Corps, the Navy and Marine Corps as a career, responsibilities and commitments as an officer in the Navy or Marine Corps.

## **NS 112, U.S. NAVAL HISTORY I, 3 Credits**

A study of U.S. seapower and maritime affairs from the American Revolution through 1900. Lec/lab.

## **NS 113, U.S. NAVAL HISTORY II, 3 Credits**

A study of U.S. seapower and maritime affairs from 1900 through present day. Lec/lab.

**Prerequisite:** NS 112 with D- or better

## **NS 211, LEADERSHIP AND MANAGEMENT, 5 Credits**

The first of two core leadership courses that provide the academic foundation of the four-year continuum of leadership development in Naval ROTC. Includes key concepts from various fields in leadership, management, the behavioral sciences, and information that comes straight from the Navy and Marine Corps. The theory to application model provides a scholarly framework.

## **NS 212, NAVAL ENGINEERING, 5 Credits**

Propulsion, basic engineering systems theory, and concepts application in modern ship and jet propulsion. Course will include auxiliary systems, theory and design of shipboard auxiliaries, ship design, and damage control/safety procedures. Offered every other winter term.

**Prerequisite:** NS 111 with D- or better

## **NS 311, NAVIGATION, 5 Credits**

Introduction to navigation including piloting, dead reckoning, and voyage planning. Course includes nautical rules of the road, maneuvering board, relative motion, and shipboard external communications.

## **NS 313, NAVAL OPERATIONS AND SEAMANSHIP, 3 Credits**

Theory of shiphandling, communications, shipboard evolutions, heavy weather, case study discussions.

**Prerequisite:** NS 311 with D- or better

## **NS 321, EVOLUTION OF WARFARE, 5 Credits**

Provides a basic understanding of the art and practice of warfare from the beginning of recorded history to present day. Utilizes Marine Corps Doctrinal Publications as base documents to evaluate warfare technology, tactics, and strategic thought. Special emphasis is placed on the evolution and innovation of warfare, and decision-making at all levels of war. Historical case studies recognize and reinforce patterns, enduring themes, and principles of warfighting. Historical study is not simply to ascertain what happened, but to use historical lessons learned as a basis for making practical judgments about the present and future.

## **NS 323, NAVAL SCIENCE III: MARINE CORPS OPTION, 3 Credits**

Explores a fundamental understanding of the basic military skills required for completion of the commissioning course at Officer Candidate School (OCS). Examines USMC history, mission and organization, map reading, land navigation, small unit leadership and tactics, 5-paragraph order, and M16 familiarization, in order to face the environment expected during OCS.

**Prerequisite:** NS 321 with D- or better

## **NS 405, READING AND CONFERENCE, 1-16 Credits**

To prepare midshipmen returning from a leave of absence from the Naval ROTC program for commissioning and entrance into the fleet.

*This course is repeatable for 16 credits.*

## **NS 411, NAVAL WEAPONS SYSTEMS, 5 Credits**

Introduction to the theory and development of U.S. Naval weapons systems, current weapons systems types, platforms, and employment. Course will include naval weapons systems types, launch platforms, characteristics and employment.

**Prerequisite:** NS 111 with D- or better

## **NS 413, LEADERSHIP AND ETHICS, 4 Credits**

The second of two core leadership courses that provide the academic foundation of NROTC leadership development. The purpose of this capstone course is to provide future naval leaders with a sound moral leadership foundation for “real life” military decision making. Integrates an intellectual exploration of Western moral traditions and ethical philosophy with military leadership, core values, professional ethics, the Uniform Code of Military Justice, and Navy regulations. Combining ethical theory and leadership discussions with current military events will prepare students for the role and responsibilities of leadership in the naval service.

**Prerequisite:** NS 211 with C- or better

## **NS 421, FUNDAMENTALS OF MANEUVER WARFARE, 5 Credits**

A detailed look at broad aspects of warfare and their interactions with maneuver warfare doctrine, with a focus on the United States Marine Corps. Throughout the course there is a strong focus on leadership, as the fundamental purpose of this course is to develop the skills, knowledge, leadership background, and mindset necessary for a successful Marine Corps Officer. This class is open to all students; however, most topics and concepts of this class are intended to professionally develop future United States Marine Corps officers.

**Prerequisite:** NS 321 with D- or better