

NAVAL SCIENCE (NROTC)

The NROTC program was established to educate and train qualified young men and women for service as commissioned officers in the unrestricted line Naval or Marine Corps Service. As the largest single source of Navy and Marine Corps officers, the NROTC program fills a vital need in preparing mature young adults for leadership and management positions in an increasingly technical Navy and Marine Corps. Upon successful completion of the program and graduation from Oregon State University, NROTC midshipmen receive a commission from the president of the United States as an ensign in the U.S. Navy or second lieutenant in the U.S. Marine Corps. The minimum active service requirement upon commissioning is service dependent; it is generally five years for Navy and four years for the Marines.

NROTC Scholarships

The Navy and Marine Corps offer four-year scholarships to qualified students seeking baccalaureate degrees. Students are selected through national competition, and are appointed midshipmen in the United States Naval Reserve by the Secretary of the Navy. The Navy provides uniforms, pays tuition and fees, a \$250 per term book stipend, and a subsistence allowance of \$250 to \$400 per month depending on the student's undergraduate status. Scholarship students will be required to attend summer training before and after their freshman, sophomore, and junior years designed to familiarize them with the warfare areas of the Navy and Marine Corps.

To qualify for a national NROTC scholarship you must be a U.S. citizen not less than 17 years old by September 1 of your first year of college and no more than 23 years old that same year. Additionally you must be physically qualified by Naval or Marine Corps standards and have a minimum SAT score of 550 verbal, 540 math or a minimum ACT score of 22 verbal and 21 math. Sophomores not enrolled in the NROTC program can compete nationally for a two-year scholarship by March of their sophomore year. Competitive applicants should have completed three terms of calculus with a grade of C or better and earned a 3.0 cumulative grade-point average or better.

For more information about Naval ROTC scholarship opportunities, visit the website (<http://www.nrotc.navy.mil/>) or contact your local Navy-Marine Corps recruiting office. For specific information about OSU NROTC or questions regarding the two-year NROTC scholarships, visit the website (<http://nrotc.oregonstate.edu/>) or call the unit at 541-737-5620 or 541-737-6289.

College Program

Students who are not awarded a national scholarship and are accepted to OSU can still participate in Naval ROTC through the college program by applying through the OSU Department of Naval Science. College program midshipmen participate in all aspects of the NROTC program and may be eligible for a scholarship provided they have been active in the program for a minimum of one academic term. To be competitive, a student should not have less than a B (3.0) grade-point average, meet aptitude and physical fitness standards, and receive a favorable recommendation from the Professor of Naval Science. If selected, students receive the same benefits as national scholarship recipients.

College program midshipmen who are not awarded a scholarship must be selected for "advanced standing" status before beginning their junior year to remain in the NROTC program. If selected for "advanced standing" students receive a monthly subsistence allowance of \$350

their junior year and \$400 their senior year. College program midshipmen receive a commission upon graduation and have the same professional opportunities as scholarship midshipmen to select careers in all warfare areas of the Navy and Marine Corps. For specific information about the college program, visit the website (<http://nrotc.oregonstate.edu/>) or call the unit at 541-737-5620 or 541-737-6289.

Naval Science Minor Requirements

University students may take any naval science courses for credit, except for NS 002 Leadership Lab. However, such students are classified as naval science students and are not enrolled in the NROTC program.

Status and Curriculum

Students enrolled in the NROTC program are not on active duty. They wear the uniform only for drills, on special occasions, and during the summer training periods.

The program of study fits into curricula leading to baccalaureate degrees. Additionally, Naval Science-U.S. Navy minor scholarship students must complete three terms of calculus by the end of their sophomore year and three terms of calculus-based physics by the end of their junior year.

Undergraduate Programs

Minors

- Naval Science-U.S. Marine Corps (<http://catalog.oregonstate.edu/college-departments/rotc/naval-science/naval-science-us-marine-corps-minor/>)
- Naval Science-U.S. Navy (<http://catalog.oregonstate.edu/college-departments/rotc/naval-science/naval-science-us-navy-minor/>)

Captain Trey Sisson, USN (US Navy)

Commanding Officer
116 Cascade Hall
Oregon State University
Corvallis, OR 97331-5401
Phone: 541-737-6289
Website: <http://nrotc.oregonstate.edu/>

Faculty

Professors Captain Trey Sisson (USN, Commanding Officer), Commander Valdespino (USN, Executive Officer)

Assistant Professors Captain Simpson (USMC), Lieutenant Kincaid (USN), Lieutenant Calderon-Lugo (USN), Lieutenant Rummings (USN)

Instructor Gunnery Sergeant Williams (USMC)

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