

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 men and women for leadership and management positions in an increasingly technical Navy and Marine Corps. NROTC midshipmen compete for selection into various warfare areas: pilot, naval flight officer, submarine officer, surface warfare officer, and special warfare officer. 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 five years for Navy and four years for the Marines.

NROTC Scholarships

The Navy offers 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 and pays tuition, a \$250 per term book stipend, and subsistence allowance of \$250 to \$400 per month depending on the student's undergraduate status. Scholarship students will be required to attend summer training 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 530 verbal, 520 math or a minimum ACT score of 22 verbal and 22 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 <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 <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 <http://nrotc.oregonstate.edu/> or call the unit at 541-737-5620 or 541-737-6289.

Any university student may take naval science courses for credit. However, such students are classified as naval science students and are not enrolled in the NROTC program.

Naval Science Minor Requirements

NROTC candidates applying for any of the NROTC programs must:

1. be a citizen of the United States or become a citizen before entering the advanced course;
2. be accepted for admission or enrolled in the university;
3. be at least 17 years of age upon enrollment and under 25 years (27 for the college program) on June 30 of the calendar year in which eligible for commissioning;
4. be physically qualified in accordance with the standards established by the Department of the Navy;
5. possess a satisfactory record of moral integrity and have potential officer characteristics;
6. have no moral obligations or personal convictions preventing them from conscientiously bearing arms and supporting and defending the Constitution of the United States against all enemies foreign and domestic.

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

104 Naval Science

Oregon State University

Corvallis, OR 97331-5401

541-737-6289

Website: <http://nrotc.oregonstate.edu/>

Faculty

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

Assistant Professors Captain Davis (USMC), Lieutenant Frantz (USN), Lieutenant Hill (USN), Lieutenant Lopez (USN)

Instructor Gunnery Sergeant LeBlanc (USMC)

Naval Science

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.

Prerequisites: NS 112 with D- or better

NS 211. LEADERSHIP AND MANAGEMENT. (5 Credits)

Overview of the principles, philosophies, and methodologies of effective Naval leadership with emphasis on moral, ethical actions with respect to the principles of authority, responsibility, and accountability as they apply to military organizations.

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.

Prerequisites: 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.

Prerequisites: NS 311 with D- or better

NS 321. EVOLUTION OF WARFARE I. (3 Credits)

The art and concepts of warfare from the beginning of recorded history to present [the Age of Napoleon].

NS 322. EVOLUTION OF WARFARE II. (3 Credits)

The art and concepts of warfare post-WWI (from the beginning of the Industrial Revolution) to present, the current world political situation and U.S. foreign policy and their effects on the Naval services, and forecast for the future.

Prerequisites: NS 321 with D- or better

NS 323. NAVAL SCIENCE III: MARINE CORPS OPTION. (3 Credits)

Preparation for officer candidates' school and practical field exercises. For U.S. Marine Corps candidates option.

Prerequisites: NS 322 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.

Prerequisites: NS 111 with D- or better

NS 413. LEADERSHIP AND ETHICS. (4 Credits)

Junior Officer administrative responsibilities with emphasis on moral and ethical decision making of Naval leaders.

Prerequisites: NS 211 with C- or better

NS 421. FUNDAMENTALS OF MANEUVER WARFARE I. (3 Credits)

Maneuver warfare from the beginning of recorded history to WW II. Broad aspects of warfare and their interactions with maneuver warfare doctrine. Focus on the United States Marine Corps as the premier maneuver warfare fighting institution. Historical influences on current tactical, operational, and strategic implications of maneuver warfare practices. Provides professional development for future United States Marine Corps officers. Case studies.

NS 422. FUNDAMENTALS OF MANEUVER WARFARE II. (3 Credits)

Maneuver warfare post-WW II to present, current world political situation and U.S. foreign policy and their effects on the future of expeditionary warfare. Broad aspects of warfare and their interactions with maneuver warfare doctrine. Focus on the United States Marine Corps as the premier maneuver warfare fighting institution. Historical influences on current tactical, operational, and strategic implications of maneuver warfare practices. Provides professional development for future United States Marine Corps officers. Case studies.