NAVAL SCIENCE

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The Naval Reserve Officers Training Corps (NROTC) program educates and trains young men and women for service as commissioned officers in the United States Navy or Marine Corps. Candidates may apply for either the Scholarship Program or the nonscholarship College Program (see below) and choose either the Navy or the Marine option. Upon conferral of a degree, graduates of the NROTC Scholarship Program are commissioned into the Navy or Marine Corps for a minimum of five years of active duty service. Graduates of the College Program are commissioned for a minimum of three years of active duty service.

Academic requirements The Naval Science curriculum includes courses on topics such as Navy and Marine Corps organization, at-sea navigation, leadership, naval history, amphibious warfare, engineering, and weapons systems. Courses emphasize development of professional knowledge and leadership skills, which are placed in the context of military service immediately following graduation from Yale College.

Students in the NROTC program enroll in one Naval Science course per term. Some courses are required for both Navy and Marine option students, while others are specific to the branch of service. All NROTC students must also enroll in the Naval Science Laboratory each term. Most Naval Science courses count for enrollment credit; none count toward the thirty-six course credits required for the bachelor’s degree.

Prior to graduation, Navy option students must also complete eight core curriculum courses through Yale College in fields such as mathematics, physical science, history, and English. These courses count toward the bachelor’s degree, and many can be used to fulfill distributional requirements. For more information, visit the Yale NROTC Web site (http://nrotc.yalecollege.yale.edu/academics).

For the Navy option, the usual sequence of Naval Science courses is:

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<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>Introduction to naval science</td>
<td>Sea power</td>
<td>Naval engineering</td>
<td>Naval operations</td>
</tr>
<tr>
<td>Navigation</td>
<td>Organizational leadership</td>
<td>Naval weapons systems</td>
<td>Leadership and ethics</td>
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For the Marine Corps option, the usual sequence of Naval Science courses is:

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<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to naval science</td>
<td>Sea power</td>
<td>Evolution of warfare</td>
<td>Amphibious warfare</td>
</tr>
<tr>
<td>Elective</td>
<td>Organizational leadership</td>
<td>Elective</td>
<td>Leadership and ethics</td>
</tr>
</tbody>
</table>

Application Yale College students in their first or second year are eligible for enrollment in the NROTC program. Students who matriculate at Yale without a four-year NROTC scholarship may apply for enrollment in the nonscholarship College Program and compete for scholarships during their first two years. If selected for the Scholarship Program, students receive full tuition, academic fees, a stipend for textbooks, and a monthly subsistence allowance that increases annually. In addition to their involvement with the Naval ROTC program throughout the academic year, scholarship students attend a training cruise with a U.S. Navy or Marine Corps operational unit for approximately four weeks each summer.

Candidates apply for the national Naval ROTC scholarship on line via the national NROTC Web site (http://www.nrotc.navy.mil). Applications are due by January 31 for activation the following fall. For enrollment in the nonscholarship College Program, students apply directly to the Yale NROTC unit.

Yale’s Naval Reserve Officers Training Corps program is a member of a consortium of universities centered at the College of the Holy Cross in Worcester, Massachusetts. For additional information about Yale’s NROTC program, visit the program’s Web site (http://nrotc.yalecollege.yale.edu) or send questions to nrotc@yale.edu.

Courses

*NAVY 100a or b, Naval Science Laboratory* Daniel Kohnen
Leadership and practical application skills from the Professional Core Competency objectives that are not covered in other Naval Science courses. Emphasis on professional training that is not of an academic nature. Includes both classroom instruction and physical training. Topics and special briefings as determined by Naval Science faculty and the Naval Service Training Command. Required for NROTC students each term. Receives no credit; cannot be applied toward the 36-course-credit requirement for the Yale bachelor’s degree. Grades earned in this course do not count toward GPA or eligibility for General Honors. 0 Course cr

*NAVY 111a, Introduction to Naval Science* Joshua Parsons
An overview of the naval service for first-year Naval ROTC students and others interested in pursuing the NROTC program. Organization, missions, customs and traditions, leadership principles, ethics, duties of a junior officer, and career options in the U.S.
Navy and Marine Corps. Discussion of shipboard organization and procedures, safety, and damage control prepares students for summer training aboard naval vessels. For enrollment credit only; cannot be applied toward the 36-course-credit requirement for the Yale bachelor’s degree. Grades earned in this course do not count toward GPA or eligibility for General Honors.

*NAVY 112b, Navigation  Daniel Kohnen
Introduction to surface-ship navigation and practical piloting in both restricted and open water. Celestial navigation theory, navigational charts and instruments, and electronic navigation. Weather and other environmental factors that affect naval operations. Navigation rules and regulations, maneuvering board concepts, and practical exercises. For enrollment credit only; cannot be applied toward the 36-course-credit requirement for the Yale bachelor’s degree. Grades earned in this course do not count toward GPA or eligibility for General Honors.

NAVY 212b, Leadership and Management  Joshua Parsons
A study of leadership, ethics, resource management, and organizational behavior, with emphasis on situations commonly encountered by junior officers in the naval service. Classical theories of management, motivation, and communication; development of skills in organizational thinking and problem solving. Required for second-year NROTC students. For enrollment credit only; cannot be applied toward the 36-course-credit requirement for the Yale bachelor’s degree. Grades earned in this course do not count toward GPA or eligibility for General Honors. 0 Course cr

Other Courses Related to Naval Science

HIST 221a / GLBL 281a, Military History of the West since 1500  Paul Kennedy
A study of the military history of the West since 1500, with emphasis on the relationship between armies and navies on the one hand, and technology, economics, geography, and the rise of the modern nation-state on the other. The coming of airpower in its varied manifestations. Also meets requirements for the Air Force and Naval ROTC programs.  HU