AEROSPACE STUDIES

The Reserve Officers Training Corps (ROTC) prepares students to become commissioned officers in the U.S. Air Force, Army, Navy, or Marines, as well as for civilian careers. Students may be enrolled in ROTC while pursuing a degree at UW–Madison. ROTC courses are open to all undergraduates who have met the prerequisites. The number of ROTC credits that count toward a UW–Madison degree can vary by department and school or college. Prospective and registered students should contact the military program offices listed in this section of the catalog for information about regular course offerings, summer camp programs, and scholarships.

AIR FORCE ROTC—AEROSPACE STUDIES

The Air Force ROTC (AFROTC) program is the primary path available to enter the U.S. Air Force as an officer. Students enroll in the AFROTC program while working toward the bachelor’s degree in any major they choose. They attend an aerospace studies class each semester, a hands-on leadership laboratory, and weekly physical fitness sessions, while learning about how the Air Force works and deciding which job fields match their interests. Upon graduating, they enter active duty service as second lieutenants, in leadership and management roles in the Air Force.

Most career fields have an active-duty commitment of four years after college. If students choose to separate from the Air Force at that time, they can pursue other careers with experience and the distinction of “military officer” on their resumes.

AFROTC is designed for students with three or more years remaining until graduation. To receive an officer’s commission, AFROTC cadets must complete all necessary requirements for a degree as well as courses specified by the Air Force. Courses are often taken for academic credit as part of a student’s electives. The amount of credit given toward a degree for AFROTC academic work is determined by the student’s school or college, and major department.

REQUIRED COURSES FOR AIR FORCE ROTC/AEROSPACE STUDIES

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>A F AERO 101</td>
<td>Heritage and Values I</td>
<td>1</td>
</tr>
<tr>
<td>A F AERO 102</td>
<td>Heritage and Values II</td>
<td>1</td>
</tr>
<tr>
<td>A F AERO 201</td>
<td>Team and Leadership Fundamentals I</td>
<td>1</td>
</tr>
<tr>
<td>A F AERO 202</td>
<td>Team and Leadership Fundamentals II (General Military Course, total of 4 credit hours)</td>
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Professional Officer Course, total of 12 credit hours:

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>A F AERO 301</td>
<td>Leading People and Effective Communication I</td>
<td>3</td>
</tr>
<tr>
<td>A F AERO 302</td>
<td>Leading People and Effective Communication II</td>
<td>3</td>
</tr>
<tr>
<td>A F AERO 401</td>
<td>National Security Affairs</td>
<td>3</td>
</tr>
<tr>
<td>A F AERO 402</td>
<td>Leadership Responsibilities &amp; Commissioning Preparation</td>
<td>3</td>
</tr>
</tbody>
</table>

Cadets must enroll in A F AERO 501 Leadership Laboratory I every Fall semester and A F AERO 502 Leadership Laboratory II every Spring semester, in addition to their lecture courses, for a total of 8 credit hours.

Scholarships are available to qualified applicants. Scholarships may provide full tuition, laboratory and incidental fees, and reimbursement for textbooks. In addition, scholarship cadets receive a nontaxable allowance ranging from $300 to $500 per month, depending on academic/AFROTC year. Juniors and seniors automatically receive $450 and $500, respectively.

For Participating Students:
Participating students are those who are registered in AF AERO courses but do not seek a commission. Participating students are not cadets, and the following apply:

• Must create a WINGS account; however, students are not required to complete the application for AFROTC membership. Accounts can be created here: https://wings.holmcenter.com/psp/hcp/LANDING/PORT_HCP/c/W_ROTC.W_PTL_PRESCREEN.GBL
• May enroll in AFROTC classes for academic course credit only.
• Will not be issued uniforms.
• Will not be included in Detachment Commander’s Ranking.
• Are ineligible to compete in any selection program.
• Cannot compete for an Enrollment Allocation (EA), contract, or commission.

All AFROTC courses are open to all students regardless of membership in the program. Students are invited to take one of the program’s courses to determine if AFROTC is right for them with no obligation to join. For more information, please contact the Recruiting Officer at 608-262-3440 or 608-265-4812; afrotc@mailplus.wisc.edu.

MILITARY SCIENCE—ARMY ROTC

The Army Reserve Officers’ Training Corps (ROTC) is the nation’s largest leadership and management-development training program. It offers the opportunity to earn a commission as a Second Lieutenant for Active Duty, Army Reserve, or Army National Guard while pursuing an academic degree. It enables young men and women to prepare themselves to be leaders in the Army or the civilian career field of their choice. The traditional four-year Army ROTC Program is divided into a two-year Basic Course and a two-year Advanced Course. A non-contracted student enrolled in the Basic Course does not incur a military service obligation.

BASIC COURSE

This instruction introduces the student to fundamental military and leadership subjects. It is normally taken over four successive semesters, but may be completed in as few as two semesters. Students should discuss available options with the Scholarship & Enrollment Officer before...
registering for courses if they have fewer than four semesters to complete the Basic Course.

The regular curriculum consists of a lecture and lab each semester. Freshmen are encouraged to take our class and lab with no military obligation. Students can enroll in a lecture without enrolling in the lab, but cannot enroll in a lab without the corresponding lecture. Labs are intended to provide practical leadership experience and military skills training such as map reading, land navigation, field training, and rifle marksmanship. Additionally, students who start in the Aerospaces Studies or Naval Science programs can switch to Military Science and continue on toward graduation with no penalty.

**SCHOLARSHIPS**

Qualified students may compete for Army ROTC scholarships ranging from two to three years in duration. High school students can apply for a four year scholarship during their senior year of high school. Students must be enrolled and participating in Army ROTC to be eligible for scholarships. Scholarships are merit based and pay full tuition & fees (both in and out-of-state) or room and board (capped at $5,000/semester) but not both, $600/semester for textbooks and laboratory expenses, and a tax fee subsistence stipend of $420 for each month of the regular school year. Interested students should consult with the Scholarship & Enrollment Officer for more detailed information concerning the scholarship eligibility requirements. For additional information about Army ROTC, students may contact Josh Beyerl in the Department of Military Science, 1910 Linden Drive, 608-262-3411, armyrotc@mailplus.wisc.edu.

**NAVAL SCIENCE—NAVAL ROTC MISSION**

The Naval ROTC Program was established to develop future officers mentally, morally and physically and to instill in them with the highest ideals of duty, and loyalty, and with the core values of honor, courage and commitment in order to commission college graduates as Naval officers who possess a basic professional background, are motivated toward careers in the Naval service, and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship and government.

**PROGRAM DESCRIPTION**

The purpose of the Naval ROTC Program is to educate and train qualified young men and women for service as commissioned officers in the Navy’s unrestricted line, and the Marine Corps. As the largest single source of Navy and Marine Corps officers, the Naval ROTC Scholarship Program plays an important role in preparing mature young men and women for leadership and management positions in an increasingly technical Navy and Marine Corps.

Selected applicants for the four-year Naval ROTC Scholarship Program are awarded scholarships through a highly competitive national selection process, and receive full tuition, books stipend, educational fees and other financial benefits. Upon graduation, midshipmen are commissioned as active duty officers in the Navy’s unrestricted line or the Marine Corps.

The four-year Naval ROTC Scholarship Program is available to qualified students who graduate from high school before August 1 of the year they intend to start college, and have earned less than 30 credit hours of college-level courses.

Students may affiliate with the Naval ROTC program, with the approval of the Professor of Naval Science, as College Program midshipmen, but receive none of the monetary benefits of scholarship students. College program midshipmen may apply and compete for 3-, 2-, or 1-year NROTC scholarships in each of their freshman, sophomore and junior academic years.

Students selected for the Navy ROTC Scholarship Program make their own arrangements for college enrollment and room and board, and take the normal course load required by the college or university for degree completion.

Upon graduation, midshipmen who complete all academic requirements in the Navy ROTC program are commissioned as an Ensign in the Navy or a 2nd Lieutenant in the Marine Corps and will be required to serve a minimum of five years of active military service. Additional service
requirements may apply for specific service assignments; e.g., pilot, nuclear power officer.)

**PROGRAM REQUIREMENTS**

- Complete all requirements for a bachelor’s degree.
- Complete specified Naval Science courses:

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<tr>
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<tbody>
<tr>
<td>NAV SCI 101</td>
<td>Introduction to Naval Science</td>
<td>2</td>
</tr>
<tr>
<td>NAV SCI 102</td>
<td>Seapower-Maritime Affairs</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 201</td>
<td>Naval Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 202</td>
<td>Navigation</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 301</td>
<td>Naval Engineering</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 302</td>
<td>Naval Weapons</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 401</td>
<td>Naval Operations</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 402</td>
<td>Naval Leadership and Ethics</td>
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**Marine Option**

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<td>NAV SCI 201</td>
<td>Naval Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 350</td>
<td>Fundamentals of Maneuver Warfare</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 351</td>
<td>Land Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>NAV SCI 402</td>
<td>Naval Leadership and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

- In addition (or concurrent) to prescribed undergraduate degree and Naval Science course load, midshipmen must also satisfy these academic requirements:
  - Calculus (two semesters, by end of sophomore year). Not required for Marine option students.
  - Physics (two-semesters of calculus-based physics, by end of junior year). Not required for Marine option students.
  - English grammar and composition (two-semesters).
  - National Security Policy/American Military Affairs (one-semester).
  - World Culture/Regional Studies (one-semester; certain countries or cultures do not satisfy). Not required for Marine option students.
  - Maintain a minimum, cumulative 2.5 GPA.
  - Register for, and attend a one credit Naval Science leadership lab each semester (NAV SCI 175 Introductory Naval Laboratory I, NAV SCI 176 Introductory Naval Laboratory II, NAV SCI 275 Elementary Naval Laboratory I, NAV SCI 276 Elementary Naval Laboratory II, NAV SCI 375 Intermediate Naval Laboratory I, NAV SCI 376 Intermediate Naval Laboratory II, NAV SCI 475 Advanced Naval Laboratory I, NAV SCI 476 Advanced Naval Laboratory II)
  - Participate in a 4-6-week training period each summer

**SUMMER TRAINING REQUIREMENTS**

A significant portion of a midshipman’s professional training during their four-year curriculum is received during summer training.

Navy option midshipmen attend summer training, to include Career Orientation and Training for Midshipmen (CORTRAMID) for rising sophomores, and Fleet Exposure Cruises for rising juniors and seniors. Marine Corps option summer training includes Career Orientation and Training for Midshipmen (CORTRAMID) for rising sophomores, and Fleet Exposure Cruises for rising juniors. All rising senior Marine option midshipmen attend the 6-week Marine Corps Officer Candidates School in Quantico, VA.

Midshipmen must ultimately make decisions as to which warfare area they will request to be commissioned into; CORTRAMID and the various summer training programs are designed to instill awareness of these areas and provide midshipmen with the background necessary to make informed decisions regarding their career choice. Midshipmen select their order of preference of available warfare communities and are ultimately assigned based on their class rank and the needs of the Navy and Marine Corps.

**POSSIBLE SUMMER TRAINING ASSIGNMENTS**

- CORTRAMID: Midshipmen assigned to this training will travel to a Fleet concentration area on either the East or West coast and spend a week with each of the following warfare communities: surface ship, submarine, aviation, and Marine Corps.
- Nuclear Power: Midshipmen can be assigned to a nuclear submarine or aircraft carrier.
- Ashore Aviation Option: Selected, qualified midshipmen train with a shore-based Navy aviation squadron, including flight time if feasible.
- Surface Warfare: Midshipmen can be assigned to a Navy ship in the United States or in overseas ports.

**PEOPLE**

**Air Force ROTC—Aerospace Studies:** Air Force ROTC—Aerospace Studies: Lieutenant Colonel Eric Visger; Professor of Aerospace Studies/Detachment Commander; Major Angela Ferreira, Assistant Professor of Aerospace Studies/Operations Flight Commander; Captain Kaitlynn Williams, Assistant Professor of Aerospace Studies/Recruiting Officer; Major Jeremy Ware, Assistant Professor of Aerospace Studies/Education Officer.

**Military Science—Army ROTC:** Professor Lieutenant Colonel Cheney; Assistant Professor Captain Schwartz, Assistant Professor; Assistant Professor Captain Ali; Assistant Professor Captain Schultz; Enrollment Officer: Josh Beyerl

**Naval Science—Professor, CAPT Barnett; Associate Professor, CDR Choquette; Assistant Professors LT Hippe, LT Fox, and Marine Capt. Hoffman. The assistant professors act as undergraduate advisors and may be contacted through the department office.

**CONTACT INFORMATION**

**Air Force ROTC—Aerospace Studies**
608-262-3440
1433 Monroe Street, Madison, WI 53711
http://www.afrotc.wisc.edu/

**Military Science—Army ROTC**
608-262-3411
1910 Linden Drive, Madison, WI 53706
http://www.badgerrotc.wisc.edu/

**Naval Science**
608-262-3794
1610 University Avenue, Madison, WI 53726-4086
http://nrotc.wisc.edu/