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Reserve Officers Training Corps

The Reserve Officers Training Corps (ROTC) programs are elective programs for students who desire commissions in the armed forces. The objective is to develop professional officers who have varied educational backgrounds in major fields of interest and have the professional knowledge and standards needed for future growth. Although the aim in each service is the same, the individual programs differ because of varying responsibilities assigned newly commissioned officers in the three services and differing plans of continuing education.

Program benefits are available only to students who meet the requirements and standards of the particular branch of the armed forces sponsoring the ROTC unit. Each armed services/ROTC program has its own requirements and standards.

Students who satisfy the requirements for baccalaureate degrees become eligible for commissions on completion of the appropriate ROTC programs. ROTC programs are undertaken concurrently with baccalaureate degree studies, with the following provisions:

- Certain courses approved by the appropriate ROTC department chairman may be substituted for ROTC courses to fulfill ROTC program requirements.
- An ROTC educational program must incorporate the course work that leads to a commission. In addition, any student may take ROTC courses as free electives. Although there is no fixed limit to the number of ROTC courses that can count toward a baccalaureate degree, at least six credit hours of courses in ROTC may be counted as general elective credits in the appropriate baccalaureate program. Only the student’s curriculum and faculty adviser limits the number of ROTC credit hours applied to a degree. However, an ROTC course should not replace a humanities and social sciences core course (unless the School of Humanities and Social Sciences accepts a specific course for this purpose). Also an ROTC course should not replace a technical elective (unless a specific course is accepted for this purpose by the student’s department chairperson).
- Cross-Registration: The home institution may limit the number of credit hours and/or grades to be applied. Refer to home institution catalog.

Air and Space Studies

Chairman Col. Christopher O’Hara

The Department of Air and Space Studies offers an elective program to eligible male and female students who are U.S. citizens wishing to pursue commissioning as future Air Force officers. The program has two phases, a General Military Course and a Professional Officer Course. The General Military Course may be taken during the first two years or during a special six-week summer course. After the General Military Course, students compete for entry into the two-year Professional Officer Course.

Admission to the Professional Officer Course is based on demonstrated proficiency in the General Military Course, medical qualifications, academic standing, physical conditioning requirements, the successful completion of field training, aptitude for further officer training, and citizenship.

Air Force scholarships are awarded on a merit basis to high school seniors and full-time college students who meet specific program requirements. Multiple-year scholarships are available, as well as some specialized one-year programs and incentives. Refer to the Undergraduate Financial Aid section, ROTC Financial Aid Programs. For more information, you may also visit our Web site at the following address: http://www.rpi.edu/dept/afrotc or call (518) 276-6236.
Faculty*
Professor: C. O'Hara
Assistant Professors: B.C. Deary, C.P. Hughes, M.Y. Robinson

Air Force Reserve Officers Training Corps

General Military Course

First Year

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
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<td>Air Force Leadership Laboratory</td>
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<td>USAF-1020</td>
<td>Air and Space Studies 100B</td>
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Second Year

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Professional Officer Course

Third Year

<table>
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<th>Course Code</th>
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<th>Credit Hours</th>
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<tr>
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<td>USAF-0050</td>
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<tr>
<td>USAF-2060</td>
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Fourth Year

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<tr>
<td>USAF-0080</td>
<td>Air Force Leadership Laboratory</td>
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Supplemental Courses

In order to receive a commission, individuals must also meet weight, fitness, academic, and military retention standards.

Air Force uniforms will be issued only to students meeting all Air Force requirements.

Military Science

Chairman: Lt. Col Michael Papadopoulos
The Office of Military Science offers an elective program to qualify male and female students for commissions as officers in the U.S. Army. The Army ROTC program has two phases; a basic course, normally taken during the freshman and sophomore years, and an advanced course, normally taken during the junior and senior years. Selection for the advanced course is competitive.

Laboratory and extracurricular activities include numerous optional confidence-building activities such as white-water rafting, group historical trips, Ranger Challenge, airmobile operations, paintball games, and rappelling.

* Departmental faculty listings are accurate as of the date generated for inclusion in this catalog. For the most up-to-date listing of faculty positions, including end-of-year promotions, please refer to the Faculty Roster section of this catalog, which is current as of the May 2006 Board of Trustees meeting.
During the senior year, the student has the option of applying for one of two types of commissions. The first type, a Guaranteed Reserve Forces Duty (GRFD) commission as a citizen soldier with the Reserve Forces, is for graduates wishing to attend U.S. Army Reserve or U.S. Army National Guard meetings while pursuing a civilian occupation. The second option enables the graduate to go on active duty, perhaps after completing graduate and/or post graduate scholastic requirements.

Laboratories offered by the Office of Military Science focus on the application of leadership methods and techniques that are taught in the classroom. Laboratories stress adventure and outdoor activity as a means to build personal confidence. This is an optional activity for students who are enrolled in the basic course. Labs are mandatory for students in the advanced course and for those who are receiving scholarship benefits.

All students accepted into the advanced course must attend the Leadership Development and Assessment Course (LDAC) during the summer after their junior year. The purpose of LDAC is to evaluate the leadership potential of officer candidates who wish to pursue a commission in the United States Army. This five week course builds upon the skills and methods taught during the junior year.

Exciting internships are offered to sophomores and juniors who qualify. Military internships offer students the ability to become certified in skills taught by U.S. Army Schools. Some of these skills are parachutist certification (Airborne), rappelling certification (Air Assault), and winter survival certification. Other internships include foreign exchange programs which allow students to participate in officer commissioning programs in other countries. Most of the internships offer job experience in multiple career fields found in the United States Army, including infantry, transportation, medical, and legal areas. Applicants who are selected serve as junior leaders in a designated career field for a period of 4 to 6 weeks. Travel, pay, and benefits are included with all internships.

Army ROTC scholarships are awarded on a competitive basis and applications can be accepted as late as the junior year. Participation by non-contracted or non-scholarship students in the basic course incurs no military commitment.

Students must take Army ROTC for a letter grade. To register, the student should visit the Office of Military Science, Room 407, AS & RC Building. For further information, call collect at (518) 276-6254.

**Faculty**

**Professor:** Michael Papadopoulos  
**Assistant Professors:** Matthew Chambers, Kimberly D. Nash, Rafael Rivera

**Army Reserve Officers Training Corps Program**

<table>
<thead>
<tr>
<th>Basic Course</th>
<th>Credit hours</th>
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<tbody>
<tr>
<td>First Year</td>
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<tr>
<td>USAR-1010 Fundamentals of Military Science I</td>
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<tr>
<td>USAR-1020 Fundamentals of Military Science II</td>
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<td>Credit hours</td>
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<tr>
<td>USAR-2010 Applied Leadership I</td>
<td>1</td>
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<tr>
<td>USAR-2020 Applied Leadership II</td>
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</table>

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Leadership Laboratory  Leadership laboratory stresses leadership opportunities, instruction in basic military skills, and physical fitness activities to include the following subjects: rappelling; junior leader skills; marksmanship; weapons familiarization; map reading; tactics; compass; military ceremonies; communications techniques; nuclear, biological, chemical defense, and first aid. Leadership laboratories occur outside the normal class schedules. Only contracted and scholarship cadets are required to attend.

Military Science

Advanced Course

Third Year

USAR-2060  Applied Military Leadership I .................................................................2
USAR-2070  Applied Military Leadership II .................................................................2

Fourth Year

USAR-4010  Advanced Military Management and Leadership I .................................2
USAR-4020  Advanced Military Management and Leadership II .................................2

Supplemental Courses  All students who intend to progress through the advanced course must take a course in American History subject to the approval of the Military Science adviser.

Naval Science

Chairman: Capt. Steven Kremer

The Department of Naval Science offers an elective program to qualify male and female students for a reserve commission in the United States Navy or Marine Corps. There are two categories of students: (1) scholarship and (2) college program.

Scholarship students receive up to four years of full scholarship benefits and a monthly stipend. Awards are based on an annual nationwide competition conducted by the Department of the Navy. College program students receive basic benefits and are given the opportunity to become scholarship students.

Faculty*

Professor: S.R. Kremer

Associate Professors: A.G. Hendrickson, A.I. Morabito, III


Naval Reserve Officers Training Corps Program

Basic Course

First Year

USNA-1010  The Military and Its Place in Society .............................................................1
USNA-0010  Drill/Laboratory .........................................................................................0
USNA-2020  Seapower and Maritime Affairs .................................................................3
USNA-0020  Drill/Laboratory .........................................................................................0
Summer Training (scholarship students only)

* Departmental faculty listings are accurate as of the date generated for inclusion in this catalog. For the most up-to-date listing of faculty positions, including end-of-year promotions, please refer to the Faculty Roster section of this catalog, which is current as of the May 2006 Board of Trustees meeting.

1 Not required of two-year students; covered in summer institute.
Second Year

USNA-2030 Naval Leadership & Management I ................................................................. 3
USNA-0030 Drill/Laboratory ......................................................................................... 0
USNA-2040 Naval Ships Systems 1,2 ........................................................................ 3
USNA-0040 Drill/Laboratory ......................................................................................... 0
Summer Training (scholarship and two-year students)

Advanced Course

Third Year

USNA-2050 Navigation 1 ........................................................................................... 3
USNA-0050 Drill/Laboratory ......................................................................................... 0
USNA-2060 Naval Operations (Navy only) 2 .............................................................. 3
USNA-2150 Evolution of Warfare 3 (Marines only) ......................................................... 3
USNA-0060 Drill/Laboratory ......................................................................................... 0
Summer Training (all students)

Fourth Year

USNA-2070 Naval Ships Systems II 1,2 ..................................................................... 3
USNA-0070 Drill/Laboratory ......................................................................................... 0
USNA-4190 Naval Leadership and Ethics (Navy only) .................................................. 3
USNA-2170 Amphibious Warfare 1 (Marines only) ......................................................... 3
USNA-0080 Drill/Laboratory ......................................................................................... 0

Supplemental Courses

In addition, the NROTC midshipman must complete the following courses to ensure minimum acceptable standards for commissioning:

- MATH-1010 Calculus 2
- MATH-1020 Calculus 2
- PHYS-1100 Physics 2
- PHYS-1200 Physics 2
- One course in computer science.
- One approved course in political science/international affairs.
- Two approved courses in English and writing assessment.

Course Descriptions

For course descriptions see the Course Descriptions section of this catalog under the designation USAF, USAR, USNA.

1 Not required of two-year students; covered in summer institute.
2 Not required of Marine Corps option students.
3 Marine Corps option only.