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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. Thomas D. Bell

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 five-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: T. D. Bell

Assistant Professors: B.C. Deary, J.L. Gilpin, C.P. Hughes

Air Force Reserve Officers Training Corps

General Military Course

First Year

Credit hours

USAF-1010 Air and Space Studies 100A	1
USAF-0010 Air Force Leadership Laboratory	0
USAF-1020 Air and Space Studies 100B	1
USAF-0020 Air Force Leadership Laboratory	0

Second Year

Credit hours

USAF-2030 Air and Space Studies 200A	1
USAF-0030 Air Force Leadership Laboratory	0
USAF-2040 Air and Space Studies 200B.....	1
USAF-0040 Air Force Leadership Laboratory	0

Professional Officer Course

Third Year

Credit hours

USAF-2050 Air and Space Studies 300A	3
USAF-0050 Air Force Leadership Laboratory	0
USAF-2060 Air and Space Studies 300B	3
USAF-0060 Air Force Leadership Laboratory	0

Fourth Year

Credit hours

USAF-2070 Air and Space Studies 400A	3
USAF-0070 Air Force Leadership Laboratory	0
USAF-2080 Air and Space Studies 400B	3
USAF-0080 Air Force Leadership Laboratory	0

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. Thomas G. Donnelly

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.

Army ROTC scholarships are awarded to high school seniors and first- and second-year Army ROTC students.

All Army ROTC instruction is provided on campus. To register, the student should visit the Office of Military Science, Room 407, AS & RC Building. For further information call collect (518) 276-6254.

Faculty*

Adjunct Professors

Joseph C. Cansler, William F. Fox

Army Reserve Officers Training Corps Program

Basic Course

First Year

Credit hours

USAR-1010 Fundamentals of Military Science I	1
USAR-1020 Fundamentals of Military Science II	1

Second Year

Credit hours

USAR-2010 History of Military Applications of Technology	1
USAR-2020 Applied Leadership	1

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 monthly and are outside the normal class schedules. Only contracted and scholarship cadets are required to attend.

Military Science

Advanced Course

Third Year

Credit hours

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

Fourth Year

Credit hours

USAR-4010 Military Management Systems I	2
USAR-4020 Military Management Systems 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. George Kasten, III

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.

* 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 2004 Board of Trustees meeting.

Faculty*

Professor: G.D. Kasten

Associate Professor: A.G. Hendrickson

Assistant Professors: G.L. Badget, R.E. Fulkerson, D.A. Zallnick

Naval Reserve Officers Training Corps Program

Basic Course

First Year

Credit hours

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

Second Year

Credit hours

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

Credit hours

USNA-2050 Navigation ²	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

Credit hours

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 ³ (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:

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

² Not required of Marine Corps option students.

³ Marine Corps option only.

- 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.

² Not required of Marine Corps option students.