

# Reserve Officers' Training Corps (ROTC)

## Department of Aerospace Studies (Air Force ROTC)

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"Air Force ROTC is a college program offered at more than 1,100 colleges and universities across the U.S. It prepares you to become an Air Force Officer while earning a college degree. And it gives you the opportunity to get the tuition money you need. But more than that—it's a challenge, a head start on a lifetime of success, within the Air Force and in everything you choose to do. In Air Force ROTC, you'll make the most of your college experience. You'll hone your time-management skills, analytical skills and physical fitness. It won't be easy. But if you're up to the challenge, the rewards will last a lifetime."

The local AFROTC program is administered by the Department of Aerospace Science at the University of Pittsburgh. This program is available to undergraduate students at fourteen "cross-town" universities via enrollment through agreement with the University of Pittsburgh. Students must have at least six semesters (three full academic years) of school remaining to successfully complete AFROTC graduation requirements. Upon successful completion of university academic and ROTC requirements, students will earn a commission as a Second Lieutenant in the US Air Force.

Students will complete one or two years in the General Military Course (GMC) before competing for an enrollment allocation into a four-week summer leadership training program. After completion of the summer training program, students are enlisted into the Professional Officer Course (POC), where they will take on role leading anywhere from 10-50 of their fellow cadets in weekly activities. *Students are under NO contractual obligation to the Air Force until entering the POC or accepting an Air Force scholarship.* In addition to the academic portion of the curriculum, each student attends a weekly two-hour, hands-on "laboratory" that tests both their followership and leadership abilities amongst their peers. This lab is used to practice various leadership and management techniques and groom students into future military leaders. Three and three-and-a-half year scholarships are available to qualified students in certain areas of study. Most AFROTC scholarships cover tuition plus lab fees, books, plus each scholarship awardee receives a tax free monthly stipend that ranges between \$300-500 per month.

## Department of Military Science (Army ROTC)

Andrew Loeb, Lieutenant Colonel, U.S. Army

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The Army Reserve Officers' Training Corps (ROTC) program supporting Carnegie Mellon University is located at the University of Pittsburgh. It exists to train the future officer leadership of the United States Army and offers opportunities and challenges that can put college students on the fast track to success in life. ROTC provides a combination of academics and important hands-on training, in addition to physical and mental challenges that will help students succeed in college and beyond. Through the training in ROTC, students will develop the confidence, self-esteem, motivation and leadership skills they will need regardless of their career plans.

### The Four-Year Program

The traditional Four-Year program is divided into two parts. The Basic Course is taken in the freshman and sophomore years. There is no commitment for non-scholarship students at this level. Upon successful completion of the Basic Course, students are eligible for the Advanced Course, taken in the junior and senior years. At the beginning of the Advanced Course, students will decide whether or not they wish to become officers in the Army and enter into a formal contract. During the summer between the junior and senior years, students are required to attend the Leader Development and Assessment Course (LDAC). Upon successful completion of a University degree and the Army ROTC program, students are commissioned into the United States Army as a Second Lieutenant.

### The Two-Year Program

If the first two years of ROTC are not taken, students can attend the Leader's Training Course (LTC) during the summer between the sophomore and junior year. This camp will qualify students to begin the Advanced Course in their junior year or in the first year of a two-year graduate program. Or, if students have served in the active duty military, attended a military academy for one year, participated in JROTC for three years or belong to a Army National Guard or Army Reserve unit, they already qualify for entrance into the Advanced Course.

### The Alternative Entry Program

The Alternative Entry Program is designed for academic junior students with no prior qualifying military training but are otherwise qualified. This option allows students to contract into the Advanced Course without receiving placement credit for the basic course. Students accepted into this program must complete the Leader's Training Course and the Leader Development and Assessment Course during the summer months.

### Curriculum

| Freshman Year                                                              |                                                        | Units |
|----------------------------------------------------------------------------|--------------------------------------------------------|-------|
| 30-101                                                                     | Introduction to Military Leadership - Fall             | 5     |
| 30-102                                                                     | Foundations of Leadership- Spring                      | 5     |
| Sophomore Year                                                             |                                                        | Units |
| 30-201                                                                     | Leadership Dynamics and Application- Fall              | 5     |
| 30-202                                                                     | Applications in Leadership and Combat Power- Spring    | 5     |
| Junior Year                                                                |                                                        | Units |
| 30-301                                                                     | Basic Leader Planning and Combat Operations- Fall      | 5     |
| 30-302                                                                     | Advanced Leader Planning and Combat Operations- Spring | 5     |
| Leadership Development & Assessment Course (six-week required summer camp) |                                                        |       |
| Senior Year                                                                |                                                        | Units |
| 30-401                                                                     | Progressive Leadership Theory and Applications- Fall   | 5     |
| 30-402                                                                     | Transition to the Profession of Arms- Spring           | 5     |

## Army ROTC Scholarships

Army ROTC offers four, three and two year full scholarships with additional annual allowances of \$900 for books and a monthly stipend. High school, undergraduate and incoming two-year graduate students are eligible to apply. For application and information call ROTC at the University of Pittsburgh at (412) 624-6254/6197.

### The Simultaneous Membership Program (SMP)

This program allows students to become members of the Army National Guard or the Army Reserves while enrolled in Army ROTC. Students in the Advanced Course who are SMP are paid for their Guard/Reserve training. The benefit of this program is that students in the Advanced Course are able to act as Army officers in their National Guard or Reserve unit, receiving valuable leadership experience.

## Summer Programs

### Leadership Development & Assessment Course

This 35-day camp is a requirement for all contracted students. Students attend the summer between their junior and senior year. Students are placed in various leadership positions throughout Camp and their skills and abilities will be tested and evaluated in preparation of a commission in the United States Army. All expenses are paid by the Army. Students are paid while attending.

### Leader's Training Course

This 35-day camp is taken as a prerequisite for entry into the Advanced Course if the Basic Course cannot be fulfilled. It is taken the summer before the junior year. All expenses are paid by the Army. Students are paid while attending.

### Army Adventure Training

ROTC students may participate in Airborne School, Air Assault School, Northern Warfare School and Mountain Warfare School the summer before the sophomore and junior year. These courses range from two to four weeks and students must arrive in top physical condition. All expenses are paid by the Army.

### Extracurricular Activities

**Rangers** - Army ROTC students are eligible to participate in the Cadet Ranger Club. The Club conducts physically and mentally challenging extracurricular training to promote fitness, teamwork, self-confidence and fellowship. Training includes physical fitness, rappelling, rope bridging, tactics, hiking, climbing, weapons training and orienteering.

**Scabbard & Blade** - National Honor Society consisting of cadets/midshipmen from Army, Air Force and Naval ROTC.

**Rho Tau Chi** - Military fraternity established for the members of the various branches of ROTC. Purpose is to draw together cadets to increase communication and feelings of goodwill between the Cadet Corps and the community. Cadets participate in a variety of community service projects.

**Color Guard** - Dedicated group of Army ROTC cadets who train and perform to present the American flag and Army colors at football and basketball games and various community events.

## Department of Naval Science (Naval ROTC)

Captain William Breidfelder  
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The Department of Naval Science was established 16 December 1987. Its mission is to prepare young men and women mentally, morally, and physically, and to instill in them the highest qualities of duty, honor, and loyalty, in preparation for leadership positions in the naval service.

Carnegie Mellon's Naval Reserve Officers Training Corps (NROTC) is designed for young men and women who are seeking a challenging academic experience and who desire to serve their country as officers in the Navy or Marine Corps after graduation.

NROTC midshipmen lead the same campus life as other Carnegie Mellon students. They make their own arrangements for room and board, choose a preferred area of study and participate in extracurricular activities. Midshipmen wear civilian clothes to classes but wear uniforms one day of the week. NROTC students are active in all facets of university life; many are in positions of leadership in student government, on varsity and intramural sports teams, in campus clubs, and other student organizations. The NROTC program seeks students who are bright, ambitious, enthusiastic leaders whose lives are enriched by their education at Carnegie Mellon and by their involvement in NROTC.

### Four-Year Scholarship Program

The four-year scholarship program provides full tuition and university fees, \$750 for textbooks per year, uniforms, and a \$250 per month tax-free subsistence allowance to students during their freshman year. This stipend then increases to \$300 during their sophomore year, \$350 for their junior year and \$400 for their senior year. Midshipmen must complete the university-approved curriculum of their choice, including courses in calculus and calculus-based physics (Navy Option Only), and specified courses in naval science subjects. Paid summer training periods are also provided. Scholarships are awarded on the basis of a nationwide competition before the start of the freshman year. Midshipmen commissioned through the scholarship programs become officers in the Navy or Marine Corps and incur a four-year active duty obligation in a selected area of the naval service.

#### College (Non-Scholarship) Programs in NROTC

Qualified students may participate in NROTC as college program (non-scholarship) midshipmen and earn commissions in the Navy or Marine Corps Reserve upon graduation. The active duty obligation for this program is three years. Students receive all naval science textbooks and uniforms. Additionally, if awarded advanced standing during their junior and senior years, they receive a tax-free subsistence monthly allowance of \$350 and \$400 respectively. A paid summer training period is provided between the junior and senior year. College program students may compete for three- and two-year scholarships described in the following paragraph.

#### College Program Three- and Two-Year Scholarships

Three-year scholarships are available on a competitive basis to those qualifying college program (non-scholarship) NROTC students who have demonstrated leadership and academic excellence during their freshman or sophomore year and are nominated for the scholarship by the Professor of Naval Science. Scholarship benefits are identical to those provided by the four-year scholarship program. Active duty obligation is four years upon commissioning in a selected area of the naval service.

#### Two-Year National Scholarship Program

Sophomores who have not participated in the NROTC program may apply for a nationally competitive two-year NROTC scholarship. The two-year scholarship program provides the same benefits as the four-year program for a period of 20 months. Students must apply for this program no later than February of their sophomore year. Students selected for this program attend the Naval Science Institute during the summer before their junior year to complete required naval science course material. A paid summer training period is provided between the junior and senior years. Commissionees incur a four-year active duty obligation upon graduation in a selected area of the naval service.

### Curriculum

The sequence of naval science courses is the same for all officer candidates for the first three semesters. Midshipmen accepted into the Marine Corps option program will have curriculum variations starting with their third year. Additionally, some candidates may be required to complete courses in American military affairs, national security policy, English, mathematics, and/or the physical sciences. Descriptions of the course requirements for each candidate classification (scholarship/college program) may be obtained from the Department of Naval Science office.

All scholarship and college program students are required to attend a weekly 1.5 hour Naval Laboratory (32-100) where professional orientation, military drill, physical fitness, and leadership are emphasized. Guest speakers from the Fleet are frequent participants in these laboratories. Naval Science courses are open to all students. Since these are required courses for NROTC students, they will be given priority in enrollment. Remaining spaces will be filled through the normal university registration process.

### Naval Professional Academic Courses

|                       |                                                                        | Units |
|-----------------------|------------------------------------------------------------------------|-------|
| <b>Freshman Year</b>  |                                                                        |       |
| 32-100                | Naval Laboratory                                                       | 3     |
| 32-101                | Introduction to Naval Science                                          | 6     |
| 32-102                | Seapower and Maritime Affairs                                          | 6     |
| <b>Sophomore Year</b> |                                                                        |       |
| 32-200                | Naval Laboratory                                                       | 3     |
| 32-201                | Leadership & Management                                                | 9     |
| 32-212                | Navigation *                                                           | 9     |
| <b>Junior Year</b>    |                                                                        |       |
| 32-300                | Naval Laboratory                                                       | 3     |
| 32-310                | Evolution Of Warfare **                                                | 9     |
| 32-311                | Naval Ship Systems I-Engineering *                                     | 9     |
| 32-312                | Naval Ship Systems II-Weapons *                                        | 9     |
| <b>Senior Year</b>    |                                                                        |       |
| 32-400                | Naval Laboratory                                                       | 3     |
| 32-402                | Leadership and Ethics                                                  | 9     |
| 32-410                | Amphibious Warfare/Operations & The Fundamentals of Maneuver Warfare * | 9     |
| 32-411                | Naval Operations and Seamanship *                                      | 9     |

#### Footnotes:

\* Required of students in the Navy Option

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All other courses are required of all students in the program.

## Naval ROTC Faculty

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