

## ROTC Programs

Reserve Officers' Training Corps units have been established at the University by the Army, Navy, and Air Force. The Department of Military Science offers preparation for commissions in the Army; Naval Science offers preparation for commissions in the Navy and Marine Corps; and Air Science offers preparation for commissions in the Air Force. For those who wish to pursue graduate study, many fields offer provisions for deferment of active duty. The amount of credit awarded toward the degree for ROTC courses can be found in the Academic Regulations section of each undergraduate school chapter.

### Air Force ROTC

The Air Force Reserve Officers' Training Corps (AFROTC) at the University of Virginia affords students the opportunity to receive U.S. Air Force officer training while completing undergraduate or graduate studies. AFROTC is the largest of three programs available through the Air Force to earn a commission and serve as an officer in the United States Air Force.

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AFROTC offers commissioning opportunities for students of all levels, both undergraduate and graduate. The four-year program is designed for students who join during their first year of college. Students take all four years of air science classes and attend a four-week summer field training encampment at an Air Force base between their second and third years.

Students may also enroll during their second year of college. Those awarded a scholarship will dual enroll in both the AIRS 100- and AIRS 200-level courses during their second year of college and attend a four-week summer field training encampment. Students not on scholarship will only take the AIRS 200-level courses and attend a six-week summer field training encampment.

Students enrolling in the program during their third year attend field training either before their third year of college or between their third and fourth years, depending upon space availability. Students attend a six-week summer field training encampment.

Depending on the needs of the Air Force, AFROTC may offer a one-year program to technical majors (including most engineering disciplines and nursing). Students who have at least one academic year of undergraduate

or graduate studies remaining may enroll in this program. Students attend either a five-week or seven-week summer field training encampment depending on what air science courses their academic schedule allows them to take during their final year of studies and enroll in both AIRS 300 and AIRS 400-level courses during their one year in the program.

Unless the student earns an AFROTC scholarship, there is no service obligation inside the first two years of the four-year program. However, all students who enter into the Professional Officer Course the last two years, enter into a contractual obligation with the Air Force to serve on active duty upon commissioning.

After graduation and commissioning as second lieutenants in the Air Force, graduates serve in any number of career fields for a four-year active duty service commitment. Interested and qualified students may compete to become Air Force pilots or navigators; successful pilot and navigator candidates serve ten and six year active duty service commitments, respectively. Active duty may be delayed after graduation for those who wish to immediately pursue a graduate degree.

**College Scholarship Program** Qualified students may be offered an AFROTC scholarship for full or partial college tuition, incidental fees, textbook allowances, and a tax-free monthly subsistence allowance of at least \$250.

Air Force ROTC students take the following courses in numerical sequence, including AIRSA, a weekly, two-hour leadership laboratory. Special student status allows any student to take air science classes on an elective basis. However, these students are not considered cadets and do not attend AIRSA.

### Course Descriptions

#### AIRS A - (o) (S)

##### Leadership Laboratory

*Prerequisite:* Enrollment in Air Force ROTC. A mandatory laboratory in leadership and followership development for AFROTC cadets. As a complement to the air science classes, this laboratory focuses on applying leadership principles and understanding leaders' responsibilities while emphasizing the benefits of practical experience.

#### AIRS 110, 120 - (1) (S)

##### The Foundations of the U.S. Air Force

*Corequisite:* AIRS A. Introduces the United States Air Force and Air Force Reserve Officers' Training Corps. Topics include mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities and benefits, and communication skills.

#### AIRS 210, 220 - (1) (S)

##### The Evolution of Air and Space Power

*Corequisite:* AIRS A. Examines general aspects of air and space power through a historical perspective, from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War. Presents historical examples of the development of Air Force capabilities and missions to demonstrate the evolution of what has become today's USAF air and space power. Investigates several fundamental truths associated with war in the third dimension (e.g., Principles of War and Tenets of Air and Space Power). Considers the general element and employment of air and space power from institutional, doctrinal, and historical perspectives. Discusses the importance of Air Force core values using operational examples and historical Air Force leaders. Continues to develop communication skills.

#### AIRS 310, 320 - (3) (Y)

##### Concepts of Air Force Leadership and Management

*Corequisite:* AIRS A. Focuses on the study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied.

#### AIRS 410, 420 - (3) (Y)

##### National Security Affairs/Preparation for Active Duty

*Corequisite:* AIRS A. Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Topics include the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Emphasizes refining communication skills.

### Army ROTC

The Army Reserve Officers' Training Corps (ROTC), established on Grounds in 1948, offers a general military science curriculum that provides eligible students the opportunity to become commissioned officers in the United States Army while completing undergraduate or graduate studies.

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**Enrollment** Qualified cadets enroll in one military science class and leadership laboratory each semester. Cadets attend a five-week leadership training camp during the summer between their third and fourth years. With the instructor's permission, students not enrolled in Army ROTC may take military science classes as electives. These students are not cadets and do not participate in MISC 001.

**Internship Program** Second-year, transfer, and graduate students who were unable to take ROTC during the first two years of college may be eligible for a compressed program. These students complete a five-week summer internship at Fort Knox, Kentucky. During attendance, they are provided transportation, food, lodging, and cadet pay. They may also compete for two-year scholarships.

**Scholarship Programs** Merit-based financial assistance is offered to qualified students through two-, three-, and four-year scholarships for tuition assistance (up to \$16,000 per year), \$600 annually for books and equipment, and a monthly stipend during the school year. Stipends vary by academic year and are awarded based on the following schedule: 1st year-\$250, 2nd year-\$300, 3rd year-\$350, 4th year-\$400. Students may apply during their junior or senior years of high school and their first or second years of college. Scholarship recipients incur a military service obligation.

**Non-scholarship Program** Non-scholarship cadets enroll in the same courses as scholarship cadets. During their third and fourth years, they receive the same monthly stipend as third and fourth year scholarship students. Non-scholarship cadets incur no military obligation until the last two years of a four-year academic program at the University.

**Professional Military Education** In addition to the courses listed below, enrolled cadets must complete one course in military history. This requirement must be met prior to graduation.

## Course Descriptions

### MISC 001 - (1) (S)

#### Leadership Applications

Teaches basic leadership skills through practical and field exercises, as well as classroom instruction. Emphasizes small unit leadership techniques and hands-on, practical experiences. Cadets develop small unit leadership and precommissioning skills by planning, conducting, and evaluating training.

### MISC 101 - (1) (S)

#### Fundamental Concepts

This course introduces cadets to fundamental components of service as an officer in the United States Army. These initial lessons form the building blocks of progressive lessons in values, fitness, leadership, and officership. Additionally, the semester addresses "life skills" including fitness, communications theory and practice (written and oral), and interpersonal relationships. Upon completion of

this semester, the cadets should be prepared to receive more complex leadership instruction.

### MISC 102 - (1) (S)

#### Basic Leadership

This course builds upon the fundamentals introduced in the previous semester by focusing on leadership theory and decision-making. Lessons in this semester include: problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Upon completion of this semester, cadets should be prepared to advance to more complex leadership instruction concerning the dynamics of organizations.

### MISC 201 - (1) (S)

#### Advanced Leadership

This course is the first of two designed to teach the principles of leadership. Building upon the fundamentals introduced in the first year, this course explores communication and leadership theory. The course emphasizes practical exercises, as students are increasingly required to apply communication and leadership principles. The course is dedicated to developing leadership and communication skills in the student with an understanding of their value to the Army. Topics discussed include: Communication, Leadership, and Problem Solving.

### MISC 202 - (1) (S)

#### Tactics and Officership

This course focuses on leadership by providing an extensive examination of the unique purpose, roles, and obligation of commissioned officers. It provides a look at our organizational values and their application to the decision-making process and leadership. The course contains a case study of Army leadership since the Vietnam War in the context of previous lessons of values, decision-making, and communication skills. The course also studies Principles of Tactics, Values and Ethics, and Officership.

### MISC 301 - (2) (S)

#### Small Unit Leadership

This course is the first of two that focus on leadership principles, small unit tactics, and the military planning process. The Leadership Development Process (LDP) is a component of this course as well as MISC 302. Other topics include light infantry tactics, motivational theory and techniques, and the role and actions of leaders. Emphasis is placed on applying the Troop Leading Procedures (TLPs) as a guide for planning, executing, and making decisions for complex operations. Cadets will learn military order formats and advanced communication skills to effectively present their plans.

### MISC 302 - (2) (S)

#### Small Unit Operations

This course continues to focus on doctrinal leadership and tactical operations at the small unit level started in MISC 301. It includes opportunities to plan and conduct individual and collective training to gain leadership and tactical experience. This course synthesizes

the various components of training, leadership and team building. Upon completion, cadets will possess the fundamental confidence and competence of leadership in a small unit setting. Following MISC 302, cadets will attend a challenging summer leadership camp.

### MISC 401 - (2) (S)

#### Leadership, Management, and Ethics

This course is the first of two designed to prepare cadets for the transition to lieutenant. The course emphasizes a continuation of leadership and management exercises intended to synthesize and integrate the principles of leadership learned in previous courses. Topics addressed include staff coordination, fundamental counseling methods, the Army Training Management System, ethical imperatives for the junior officer, and battlefield ethics.

### MISC 402 - (2) (S)

#### Transition to Lieutenant

This course is the culmination of officership training. The course emphasizes the skills required of newly commissioned officers and concludes with a capstone practical exercise entitled "Platoon Leader." Topics include military justice and leadership, operational law, organizing for military operations, and administrative management and logistics. At the conclusion of this course, newly commissioned officers are prepared to meet the physical, moral, emotional, and intellectual leadership challenges facing the evolving Army in the 21st Century.

## Naval ROTC

The Naval Reserve Officers' Training Corps Unit at the University of Virginia is one of 58 that have been established in universities and colleges throughout the United States. Students who enroll in the unit, complete the required courses, and obtain bachelors degrees, qualify for commission as Ensigns in the Navy, or as Second Lieutenants in the Marine Corps. There are three classes of enrollees: scholarship, college program, and naval science students. Students may choose the major they prefer.

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**Navy-Marine Scholarship Program** Students enter the program through nation-wide selection conducted by the Navy and Marine Corps. Benefits include tuition and fees, uniforms, \$600 per year for textbooks, and a monthly stipend of \$250 (1st year), \$300 (2nd year), \$350 (3rd year) and \$400 (4th year). Scholarship students are required to complete a naval science course each semester and to attend NASC 100/200/300/400 one period each week for eight semesters, in addition to three summer training periods of four to six weeks each.

**Navy-Marine College Program** Students in this program are provided uniforms and naval science textbooks. During their third and fourth years, they receive a monthly subsistence allowance of \$350 in the third year and \$400 in their fourth year. College program students complete the same naval science courses as the scholarship students; however, they complete only one summer training period during their last year at the University. The vast majority of college program students are awarded scholarships after their second year, based on academic and NROTC performance.

The scholarship and college programs are available in a two-year format to any qualified student at the University. Students apply during the spring term of their second year. If accepted, they attend a six-week summer Naval Science Institute and enroll in the NROTC program at the beginning of their third academic year.

**Naval Science Students** Inquiries concerning enrollment in the Naval ROTC unit should be addressed to the Professor of Naval Science, Maury Hall. Any student enrolled at the University may take naval science courses with the approval of the Department of Naval Science. These enrollees are not Naval ROTC students; however, they may be considered for enrollment upon request.

### Course Descriptions

Prospective NROTC students should contact the department for specific program requirements.

#### NASC 100/200/300/400 - (o) (S) Leadership Laboratory

Develops leadership skills through seminars and practical experience in leadership positions within the midshipman battalion.

#### NASC 101 - (o) (Y) Introduction to Naval Science

Surveys the histories of both the U.S. Navy and Marine Corps. Introduces the Naval Service as an organization with particular customs, procedures, and policies. Examines the nature of authority; issues of communication, productivity, and morale; and how a military organization adapts to change. Develops the student's ability to function effectively within the structure of Navy society.

#### NASC 102 - (3) (Y) Naval Ships Systems I

An integrated presentation of naval ship design and operation, including closed and open thermodynamic cycles; efficiency and efficiency enhancement; major propulsion and support system components; operations and casualty response; electricity generation; electrical power distribution and conversion relative to naval engineering plants; shipboard battle damage control; and naval architecture.

#### NASC 201 - (3) (Y) Naval Ship Systems II

Introduces the theory and design of naval weapons systems. Emphasizes understanding

basic theoretical considerations for weapons systems, detection, tracking, computation, weapon delivery systems, the fire control problem, and system integration.

#### NASC 202 - (3) (Y) Seapower and Maritime Affairs

Surveys international maritime history and provides a review American maritime history and policy. Examines American naval involvement in regional and global conflicts; evolution in technology and management; the role of the navies in foreign policy; and the influence of seapower on history. Discusses historical examples and current trends.

#### NASC 301 - (3) (Y) Navigation

Studies the theory, principles, and procedures of marine navigation, including piloting, electronic navigation, and celestial navigation.

#### NASC 302 - (3) (Y) Naval Operations

Studies the principles and procedures of surface ship operations, including relative motion, rules of the nautical road, marine weather, and ship handling.

#### NASC 311 - (o) (Y) Navigation Laboratory

*Corequisite:* NASC 301.

Practical application of navigation principles.

#### NASC 312 - (o) (Y) Naval Operations Laboratory

*Corequisite:* NASC 302.

Practical application of naval operations, with special emphasis on maneuvering board and rules of the road.

#### NASC 351 - (3) (Y) Evolution of Warfare

Historical development of the tactics and strategies of warfare. Examines the social, economic, and political posture of adversaries, and considers the great military leaders and organizations throughout history.

#### NASC 352 - (3) (Y) Amphibious Warfare

A historical survey and evaluation of the concept, doctrinal origins, and strategic role of amphibious power projection. Emphasizes research and battle studies that illustrate the unique challenges and capabilities of amphibious operations.

#### NASC 401 - (3) (Y) Leadership I

Introduces leadership principles and concepts, and their practical applications in military and non-military settings. Discusses selected readings and student produced essays, analyzing several books on leadership. Examines *The Seven Habits of Highly Effective People* by Stephen R. Covey.

#### NASC 402 - (3) (Y) Leadership II

*Prerequisite:* NASC 401.

A continuation of the principles and concepts of leadership through readings, exercises, and discussion. Topics include selected readings and case studies in leadership, core values and ethics, and legal issues.

## Faculty

### Air Force ROTC

#### Professor

John C. Vrba, Chair, Colonel, U.S. Air Force

#### Assistant Professors

Christian J. Cheetham, Captain, U.S. Air Force

Catherine J. Schafer Captain, U.S. Air Force

George Torres, Captain, U.S. Air Force

### Army ROTC

#### Professor

Hampton E. Hite, Chair, Lieutenant Colonel, U.S. Army

#### Assistant Professors

Tamara A. Otto, Major, U.S. Army

Mark H. Dotson, Captain, U.S. Army

### Naval ROTC

#### Professor

Richard C. Bedford, Chair, Captain, U.S. Navy

#### Assistant Professors

John Dietter, Lieutenant, U.S. Navy

Fritz Pfeiffer, Major, U.S. Marine Corps

Eric Theus, Lieutenant, U.S. Navy

Kevin M. Trexler, Lieutenant, U.S. Navy