

Statistics

Auburn University offers a graduate academic minor in Statistics administered by the Graduate School in cooperation with the Statistics Coordinating Committee. The objective of the minor is to provide education and training for interested students whose graduate research includes a substantial amount of statistical methodology or data analysis. Students are required to complete 12 hours of statistics course work and demonstrate the ability to apply statistical methodology to problems in research. Participants are required to have one committee member from outside the department who is a member of the Academic of Statistics Faculty. For more information, contact Dr. Kevin Phelps, Department of Discrete and Statistical Sciences.

Urban Forestry

The Department of Horticulture and the School of Forestry and Wildlife Sciences (SFWS) offer an Urban Forestry minor for graduate students. Urban Forestry is the design, establishment and maintenance of urban forests to enhance the economic value of cities and to provide a healthier environment for people. The minor promotes interdisciplinary studies and trains students for employment in the urban forestry arena. Auburn University, with its strengths in Horticulture,

Forestry, Landscape Architecture, Community Planning and Agriculture and its proximity to major urban centers such as Atlanta, Birmingham, Columbus and Montgomery, offers a unique opportunity for urban forestry research and education.

To be eligible for the minor, students must be enrolled in the Master of Forestry, Master of Agriculture, Master of Science or Ph.D. degree program in HORT or SFWS. To complete the minor, students must:

1. Develop an advisory committee including faculty from both SFWS and HORT;
2. Complete a thesis/dissertation research project that pertains to urban forestry, or in the case of Master of Forestry and Master of Agriculture degrees, complete an approved 3 to 4 credit hour directed study in urban forestry;
3. Complete FORY 6550, HORT/FORY 7850 and at least one undergraduate or graduate course in tree identification.
4. Complete at least nine semester hours from a list of approved core courses, at least one of which must be outside of the home department or school.

To obtain additional information, contact the Graduate Program Officer at the Department of Horticulture or the School of Forestry and Wildlife Sciences.

Reserve Officers' Training Corps

Department of Air Force Aerospace Studies (AFROTC)

COLONEL THOMAS F. WYNN JR.

Commander and Professor of Aerospace Studies

The Air Force Reserve Officer Training Corps (ROTC) is an educational program designed to give men and women the opportunity to become an Air Force officer while completing a degree. The Air Force ROTC program is designed to teach the necessary skills needed to accept the challenging opportunities one will encounter in the Air Force. Many young people often find themselves at graduation wondering what to do with their degree. Air Force ROTC offers a pathway from college to many exciting career possibilities as an Air Force officer: flying, engineering, intelligence, computer systems, aircraft maintenance, management, etc. Interested students should contact the Air Force ROTC department.

Four-Year Program

The General Military Course (GMC) is the first half of the Four-Year Program and is taken during the freshman and sophomore years. This program allows the student to try out Air Force ROTC without obligation (unless the student is on an Air Force ROTC scholarship). During the first two years, the student will learn basics about the Air Force and the historical development of airpower. During the summer proceeding the sophomore year, the student will compete for the opportunity to attend a four-week Field Training encampment (see Field Training section below for in-depth information). Successful completion of field training is mandatory for entrance into the Professional Officer Course (POC), the junior and senior year of the Four-Year Program. As a junior, the student will learn about various leadership roles and management techniques needed to become an effective Air Force officer. During the senior year, students will learn about foreign policy and national security while preparing them for entrance into active duty. During the POC, the student may be eligible for POCI (POC Incentive, see POCI section for details) \$3,450 a year for tuition, fees and books plus, receive a \$200 non-taxable monthly allowance.

Curriculum in the General Military Course

AIRF 0101/0102 Introduction to the Air Force
AIRF 0201/0202 The Air Force Way

Two-Year Program

The two-year program bypasses the GMC portion of the Four-Year Program and leads directly into the POC. This route is the best option

for junior college transfer students, current college sophomores, college juniors and active duty personnel who have at least two years of school remaining. The student can be completing an undergraduate degree, graduate degree, or working on a combination of the two. Requirements for POC entry include: 1) Attending a five-week Field Training encampment (either the summer prior to entering the two-year program or the summer between the junior and senior year), 2) Passing the Air Force Officer Qualifying Test (AFOQT). ASVAB scores are not used for Air Force ROTC, 3) Passing a medical physical, and 4) Passing the Physical Fitness Test (PFT).

Curriculum in the Professional Officer Course

AIRF 0301/0302 Air Force Leadership & Management
AIRF 0401/0402 National Security/Prep

Leadership Laboratory

As an Air Force ROTC cadet, each student will be required to attend an additional one-hour class period each Thursday known as Leadership Laboratory. Although it is not part of the academic class requirement, it is an essential part of officer training. Leadership Laboratory is a cadet-centered program where the student will learn such things as military customs and courtesies, drill and ceremonies, and proper wear of uniform. On other occasions, the student will have the opportunity to hear excellent guest speakers discuss a variety of interesting stimulating topics.

Air Force ROTC Scholarships

Air Force ROTC offers scholarships on a competitive basis to high school seniors and college students. These scholarships can be offered in selected scientific and technical areas as well as in non-technical areas. Contact the Air Force ROTC detachment for the latest on scholarship opportunities.

Flight Hours

Pilot candidates will be allowed to receive up to 40 hours of flight time prior to graduating from Auburn or prior to attending undergraduate pilot training. Pilot candidate selection usually occurs during the junior year of Air Force ROTC.

Professional Officer Course (POC)

The Professional Officer Course consists of a six-quarter course series normally taken during the junior and senior years. Enrollment in the POC is also open to graduate students if they have six quarters of school remaining. Three classroom hours of instruction and a one-and-a-half hour Leadership Laboratory are taken per week. Six credit

hours may be applied toward graduation. All POC cadets must complete a course in mathematics reasoning (normally fulfilled by the core requirements). At present, all non-scholarship POC cadets who meet POC eligibility criteria receive \$2,000 each year for tuition and books. Additionally, they receive a monthly allowance of \$150.

Field Training (FT)

Cadets completing the General Military Course attend four weeks of FT during the summer at a selected Air Force Base (those not having completed the GMC attend six weeks). This rigorous program of leadership training, physical conditioning and academics assesses the cadet's potential to be an Air Force officer. Cadets also receive survival and firearms training, career information and a military aircraft orientation flight. Cadets receive travel pay and daily pay for FT.

Professional Development Training

Cadets are eligible to compete to attend PDT during their summer months. PDT consists of several different programs, including Army Airborne, USAFA Survival Training, USAFA Soaring, USAFA Freefall Parachute Training, Cadet Training Assistant and the British Exchange program. Cadets receive travel pay and daily pay for the majority of these programs. For more information, call 844-4355 or visit our web site (<http://auburn.edu/afrotc>).

Department of Military Science

LIEUTENANT COLONEL CARLTON A. BUCHANAN

Professor of Military Science and Commander

THE PURPOSE of the Army ROTC program is to select, train and motivate the future leadership of the active Army, Army National Guard and Army Reserve. Initial ROTC courses serve to acquaint Auburn students with the Army and its role in our society; advanced ROTC courses prepare students for service as a commissioned officer. The overall Army ROTC curriculum prepares students to become effective leaders and managers in a variety of challenging fields.

The curriculum is divided into two courses; a General Military Course open to all freshmen and sophomores and an Officer Development Course for qualified juniors, seniors and graduate students. Successful completion of both courses and award of a bachelor's degree constitute the normal progression to gaining a commission as a Second Lieutenant. Courses are available to both men and women students.

Students undecided about pursuing commissions may keep this option open by participating in the General Military Course together with their chosen curriculum. This provides freshmen and sophomores the opportunity to make an educated decision on the advantages of gaining an officer's commission while incurring no military obligation. Successful completion of the General Military Course or commensurate training, a minimum 2.0 GPA and medical qualifications are pre-requisites for enrollment in the Officer Development Course.

General Military Course

The basic program consists of a four semester block of instruction taken during the freshman and sophomore years. Successful completion of MILS 1010, 1020, 2010, 2020 together with a lab (MILS 1011, 1012, 2011, 2012) each semester satisfies the academic requirements for progression to the Officer Development Course. Two credit hours per semester are earned for the lecture and lab. Approval may be obtained to allow completion of all four courses within one academic year.

Curriculum In The General Military Course

Other MILS courses provide unique hands-on training in mountaineering, tactics and wilderness skills. The Professor of Military Science may grant basic program credit for completion of these hands-on training courses. Selected courses are offered fall and spring semesters with two credit hours earned for each course. Elective credits apply toward degree requirements in all schools of the university. The following course is available for Elective credit: MILS 2020 Ranger Operations (Different instruction is offered each semester).

Optional Basic Camp

Those academically qualified students who are unable to fulfill the requirements of the Basic Program during their freshman and sophomore years may qualify themselves for admission to the Officer Development Course by successfully completing Basic Camp preparatory training. The basic camp option consists of a five-week training period conducted at an active Army post during the summer months. Students desiring to exercise this option are required to submit a formal application and pass a general physical.

Students electing the basic camp training program will receive approximately \$750 in addition to travel expenses to and from camp. Uniforms, housing, medical care and meals are furnished by the government during the camp.

Deadline for applications is May 30. Interested students should contact the Military Science Department at the start of the spring semester, or earlier.

Officer Development Course

Advanced Program — The Advanced Program is designed to develop a candidate's leadership and management potential, physical stamina, and poise, as well as those personal characteristics desired in an Army Officer. The program's objective is to produce the highest caliber junior officer fully capable of command and management responsibilities in the modern Army and the business world.

The Officer Development Course consists of a four-semester block of instruction taken during the junior and senior years (MILS 3010, 3020, 4010, 4020). Successful completion of four courses, together with leadership laboratory (MILS 3011, 3012, 4011, 4012) each semester fulfills military science academic requirements for award of an officer's commission. Three credit hours per semester are earned for the lecture and laboratory. Students currently receive a subsistence allowance of \$200 a month (tax free), not to exceed \$2,000 per academic year, while enrolled.

Service veterans, junior or military college transfers, members of the National Guard or Army Reserve, and former military academy cadets may qualify for direct entry into the Officer Development Course.

Advanced program students are eligible to participate in the Simultaneous Membership Program with the Army National Guard or Army Reserve. Students participating in this program affiliate with an Army unit as a student officer, thus affording them the opportunity for enhanced leadership development. Students in this program receive an additional \$200 per month and Montgomery GI Bill benefits if qualified.

Students enrolled in the Officer Development Course are also required to complete successfully a six-week Advanced Camp at Fort Lewis, Washington, during the summer to become eligible for commissioning. Attendance at Advanced Camp normally occurs in the summer between the junior and senior years. The purpose of Advanced Camp training is to provide each candidate hands-on experience in leadership development positions as well as extensive training in military tactics, techniques and related subjects vital to success as a junior officer. Students attending Advanced Camp receive approximately \$700 in addition to travel expenses to and from Fort Lewis. Uniforms, housing, medical care and meals are furnished by the government during the camp.

Additional voluntary training at one or more of a variety of active Army service schools is available to selected students during the summer. Students may select attendance at Airborne School, Air Assault School, The Northern Warfare Training Center and Cadet Troop Leadership Training. Students who successfully complete the appropriate course are authorized to wear the coveted Parachutist Badge and Air Assault Badge.

Students who successfully complete the Army ROTC curriculum, and who gain a bachelor's degree, serve on active duty or with the Army National Guard or Army Reserve. Active duty is for a period of three or four years with the opportunity for qualified officers to apply for extended service. Current salary and allowances for a single Second Lieutenant exceed \$30,000. Medical and other benefits are also provided at no cost. The following courses constitute the Advanced Program.

Professional Military Education Requirements

All Army ROTC cadets are required to complete one semester of selected undergraduate courses in three designated fields of study prior to graduation.

The fields of study and approved courses are:

Written Communication Skills: fulfilled by the Core Curriculum.

Military History: HIST 3640 (Alternate course may be taken with the Professor of Military Science approval).

Computer Literacy: COMP 1000 through 3700.

Scholarship Programs

Each year the Army offers a variety of full scholarship programs to those young men and women who have demonstrated outstanding academic scholarship and leadership potential. Four-year scholarships are awarded incoming freshmen through national merit competition. Three- and two-year scholarships are available on a campus competitive basis. Scholarships will pay most or all of the tuition costs for both resident and out-of-state students, textbooks, materials and laboratory fees. In addition, the students receive a \$200 a month tax-free allowance.

Army Nurse Corps Option

Students enrolled in the School of Nursing curriculum leading to the degree of Bachelor of Science in Nursing may simultaneously qualify for commissions as Second Lieutenants in the Army Nurse Corps.

Nursing students qualify for entry into the Officer Development Course through satisfactory completion of either the General Military Course, the Basic Camp option or equivalent training.

Nursing students participate in a summer Advanced Camp training program and an Army nurse training program. They provide practical and leadership experience in the clinical setting. The focus is to provide nursing cadets an experience which integrates clinical, interpersonal and leadership knowledge and skills. Emphasis is placed on practical experience under the direct supervision of an Army Nurse Corps Officer who acts as the cadet's preceptor throughout the camp period.

Department of Naval Science

CAPTAIN LARRY W. HAYNER, USN

Commanding Officer and Professor of Naval Science

THE MISSION OF NROTC is to develop midshipmen mentally, morally and physically and to commission college graduates as Navy and Marine Corps officers who possess a basic professional potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship and government. All NROTC Programs are open to qualified men and women students. All Naval Science courses, basic and advanced, are open to all Auburn students regardless of affiliation with the NROTC Program.

Types of NROTC Programs

Four-Year NROTC Navy-Marine Scholarship Program. Successful completion leads to commission in the Navy or Marine Corps Reserve. Minimum active duty service is four years.

Tuition, fees, and all textbooks are paid for by the Navy. Subsistence pay is \$200 per month for a maximum of 40 months. Active duty pay for summer training is approximately \$560 per month with living quarters and meals provided.

Although the Navy emphasizes engineering and science majors, students may take most Auburn University majors leading to baccalaureate degrees. In addition to the requirements of their major, NROTC students must complete 24 semester hours of Naval Science. Summer activities include two at-sea training cruises and one summer period of career orientation lasting from four to eight weeks each. Marine Option students participate in a six-week orientation at Quantico, VA, in lieu of the second at-sea training cruise. Navy Option Scholarship students must complete calculus and physics courses.

Entrance to the Navy-Marine Scholarship Program is via nationwide competition. Applicants must make independent arrangements

to take either the Scholastic Aptitude Test or the American College Test.

Scholarship students may resign without obligation any time prior to the beginning of the second year in the Program.

Qualifications for enrollment, application blanks and information bulletins are available at high schools, colleges, recruiting stations and the Auburn NROTC Unit.

Four-Year NROTC Navy-Marine College Program. Leads to a commission in the Navy or Marine Corps Reserve. Subsistence pay is \$200 per month for a maximum of 20 months during the final two years of training. Minimum active duty service is three years (3 1/2 years for Marines). Any Auburn student may enter the College Program through application to the Professor of Naval Science.

Four-year College Program students may resign from the Program at any time during the freshman and sophomore years without obligation. After the sophomore year, college program students must apply for advanced standing to continue in the program.

Students in both the four and two-year programs may apply for the Scholarship Program through nomination by the Professor of Naval Science for appointment by the Chief of Naval Education and Training as Scholarship students.

College Program students must complete Naval Science requirements prior to or concurrently with receipt of a baccalaureate degree. Summer training consists of at-sea training cruise between junior and senior years. Students desiring commissions in the Marine Corps will participate in a six-week orientation at Quantico, VA, in lieu of at-sea training.

Two-Year NROTC Navy-Marine Scholarship and College Programs. Selections for these programs are made on a national basis from nominations submitted by the Professors of Naval Science. Selected applicants attend the Naval Science Institute (NSI) for six weeks during the summer prior to the junior year. Successful NSI completion qualifies students for enrollment in the advanced course of the NROTC Program.

NROTC Nurse Corps Option Scholarship Program. Successful completion leads to commission in the Naval Reserve Nurse Corps. Minimum active duty is four years. Tuition, fees, all textbooks and all equipment and uniform items within the BSN degree curriculum are paid by the Navy. Subsistence pay and active duty pay for summer training is equivalent to the pay provided by the Navy-Marine Scholarship Programs.

Students must be enrolled in the BSN program and are required to complete NAVS 1010, 2020, 4010 and 4020 only. Summer activities include one at-sea training cruise and one shore-based hospital training period.

Entrance to the NROTC Nurse Corps Option Scholarship Program is via nationwide competition. Applications for Nurse Corps Option Program scholarships may be obtained at the Auburn NROTC Unit. The Nurse option is also available under the Four-Year College Program.

Equipment

Uniforms, Naval Science textbooks and equipment necessary for the NROTC Program are furnished in all four programs.

Curriculum

The Naval Science curriculum consists of the following class hours per week: Freshman, three hours; Sophomore, three hours; Navy Option Juniors, three hours (Nurse Option, none); Marine Option Juniors, three hours; Seniors, three hours. All students attend the Naval Science laboratory for three hours per week.

Naval Science subjects carried during the four-year curriculum are listed in this *Bulletin*. Only 3000/4000 series subjects are applicable to the Two-Year Programs.

Naval Science course hours are considered as part of the normal quarterly loads; however, Auburn University graduation requirements are increased 11 to 20 hours, depending upon the College or School in which the student is enrolled, over the number of hours listed in the *Auburn University Bulletin*.