

# Military Science - Undergraduate Program

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## Purpose

The ROTC program at The University of Texas at Arlington offers a unique opportunity for quality students to assess and develop their leadership skills. A wide variety of settings are provided to expose students to the styles, techniques, and tools of leadership. It also develops college-educated officers for the active Army and the reserve components (U.S. Army Reserve and Army National Guard). This affords the student the opportunity to pursue either a civilian or a military career after completing college.

## Programs Available

### General Information

**Classroom:** Examine theory, principles and techniques. Review leadership from a historical perspective through case studies and presentations. Communications skills emphasized.

**Lab:** Practical application of theory and opportunity for each student to be assessed. Immediate feedback provided enabling students to build on the experience gained. Individual skills and team-building emphasized.

**Corps of Cadets:** Leadership positions assigned according to demonstrated individual progress. Provides a forum for individual growth by working within a structured organization. Emphasis on counseling, coaching, mentorship, and coordination.

**Field Training:** A unique opportunity to gain experience under stressful and challenging situations. Students are placed in environments to test their abilities and reactions in leading small groups. Emphasis on decision-making, endurance, and reaction under stress to build self-confidence.

**Simultaneous Membership Program:** An opportunity to serve in a National Guard or Reserve unit as an officer trainee while participating in ROTC and attending UT Arlington. Emphasis on planning and organizing. Programs tailored to meet individual needs.

**Army Schools:** Develop skills through exposure to other students and soldiers from around the country by attending Airborne, Air Assault, or other schools. Emphasis on increased experience.

**Leadership Development Assessment Course:** Five weeks of high-intensity training with students from across the nation, designed to evaluate individual leadership potential. Emphasis placed on evaluation/development of the individual. Student receives pay. Travel, lodging and most meal costs are paid for by the Army.

**Leadership Training Camp:** A five-week summer camp conducted at an Army post. The environment is rigorous and stresses leadership, initiative and self-discipline. No military obligation incurred. The student receives pay. Travel, lodging and most meal costs are paid for by the Army.

**Four-Year Program:** The traditional program of Army ROTC is a program of instruction which extends over four years of college. The four-year program is divided into two phases—a two-year basic course and a two-year advanced course. The basic course is normally taken by students during their freshman and sophomore years. The purpose of the basic course is to introduce students to general military subjects and leadership principles. There is no military obligation incurred for attending the basic course.

The student who wishes to enter the advanced course, normally taken during the junior and senior years, must apply for it; must meet eligibility requirements including a physical examination; and must sign an agreement to complete the last two years of Army ROTC and accept a commission as a U.S. Army Officer. Students auditing courses or students not eligible for commissioning into the Army will receive P/F grades only.

**Two-Year Program:** This program is offered for students who have had two years of college remaining to graduate. Students must meet ROTC advanced course eligibility requirements. Prior military service, JROTC experience, and attendance at the Leadership Training Camp (LTC) are some of the ways to meet ROTC advanced course enrollment eligibility.

## Scholarships

The U.S. Army Scholarship Program provides an excellent way for young men and young women to obtain assistance in financing a college education. Every scholarship provides for payment of all expenses incurred for fees and tuition, an allowance for books and supplies, and up to \$400 a month for up to 10 months per year. There are scholarships offered in all four years with payments ranging from one to four years. Initial application may be made during the student's senior year in high school or freshman year in college. Each year more scholarships are added to the program. These scholarships are merit based and are not contingent on financial need. All students are encouraged to make application through the Military Science Department.

## Minor in Military Science

Military science may be used as a minor course of study in many degree programs at The University of Texas at Arlington.

To be eligible, the student must:

- a. be enrolled in the ROTC program,
- b. receive acceptance of military science as a minor from his/her major degree department,
- c. successfully complete with a grade of B or better in four of the following:
- d. successfully complete 6 additional military science hours with a grade of B or better of any level (MILS 0180 LEADERSHIP LAB can be repeated to meet this requirement),
- e. successfully complete the Army's Leader Development and Assessment Course offered annually in the Summer, and,
- f. meet all Army prerequisites to earn a commission as an Army officer upon graduation.

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## COURSES

### **MILS 0180. LEADERSHIP LAB. 1 Hour.**

A practical laboratory of applied leadership and skills. Student-planned, -organized and -conducted training, oriented toward leadership development. Laboratory topics include marksmanship, small unit tactics, multi-tiered programs focused on individual skill levels. Uniform and equipment provided. Concurrent enrollment in appropriate Military Science course (MILS 1141, MILS 1142, MILS 2251, MILS 2252, MILS 3341, MILS 3342, MILS 4341, MILS 4342, MILS 2291 and/or MILS 4391) required. Prerequisite: permission from the Professor of Military Science (PMS). May be repeated for credit.

### **MILS 1111. MILITARY PHYSICAL CONDITIONING I-A. 1 Hour.**

This course is designed for beginners, emphasizing the Army components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. Students are oriented to Army programs, planning, and training methodologies focused around functional fitness. An essential objective for each student is to achieve a minimum score in the Army Fitness test for record.

### **MILS 1112. MILITARY PHYSICAL CONDITIONING I-B. 1 Hour.**

This course serves as a continuation of MILS 1111, emphasizing the Army components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. Students continue to develop their understanding of Army programs, planning, and training methodologies focused around functional fitness to include leading small group practical exercises and developing small group fitness plans. An essential objective for each student is to achieve a minimum score in the Army Fitness test for record. Prerequisite: MILS 1111.

### **MILS 1141. FOUNDATIONS OF LEADERSHIP. 1 Hour.**

Fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. The study of time management skills, basic drill and ceremony, physical fitness, repelling, leadership reaction course, first aid, making presentations and marksmanship. Concurrent enrollment in MILS 0180 leadership lab and mandatory participation in independent physical fitness training, plus optional participation in a weekend field training exercise.

### **MILS 1142. INTRODUCTION TO LEADERSHIP. 1 Hour.**

Application of principles of leadership through participation in physically and mentally challenging exercises with upper division ROTC students. Course focuses on communication skills, organizational ethics, and study and time management techniques. Concurrent enrollment in MILS 0180 leadership lab and mandatory participation in individual physical fitness training, plus optional participation in a weekend field training exercise.

### **MILS 2121. MILITARY PHYSICAL CONDITIONING II-A. 1 Hour.**

This course implements the Army's holistic and fitness models by improving student's physical and mental well-being by utilizing Army Physical Readiness Training (PRT). Building on concepts of the 100 level class, emphasizing on the Army components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. An essential objective for each student is to achieve a minimum score in the Army fitness test for record. Prerequisite: MILS 1111, MILS 1112.

### **MILS 2122. MILITARY PHYSICAL CONDITIONING II-B. 1 Hour.**

This course implements the Army's holistic and fitness models by improving student's physical and mental well-being by utilizing Army Physical Readiness Training (PRT). Continuation of MILS 2121 with emphasis on leadership of a small group or squad during physical training, supervising each individual's correct performance of stretching and calisthenics, as well as following assigned student's progression and taking responsibility for mentoring subordinates. An essential objective for each student is to achieve a minimum score in the Army fitness test for record. Prerequisite: MILS 1111, MILS 1112, MILS 2121.

### **MILS 2251. INDIVIDUAL/TEAM DEVELOPMENT. 2 Hours.**

Application of ethics-based leadership skills and fundamentals of ROTC's Leadership Development Program. Develop skills in oral presentations, concise writing, event planning, coordination of group efforts, advanced first aid, land navigation, and military tactics. Concurrent enrollment in MILS 0180 leadership lab and mandatory participation in individual physical fitness training, plus optional participation in a weekend field training exercise.

### **MILS 2252. INDIVIDUAL/TEAM MILITARY TACTICS. 2 Hours.**

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security, and pre-execution checks. Concurrent enrollment in MILS 0180 leadership lab and mandatory participation in individual physical fitness training, plus optional participation in a weekend field training exercise.

**MILS 2291. CONFERENCE COURSE. 2 Hours.**

Independent study. Designed to supplement the military science curricula by a student's concentrated study in a narrower field of military skill or subject matter. May be repeated for credit. Does not count for PE credit. Prerequisite: permission of the Professor of Military Science (PMS).

**MILS 2343. LEADERSHIP TRAINING CAMP (LTC). 3 Hours.**

A rigorous five-week summer camp conducted at an Army post, stresses leadership, initiative and self-discipline. No military obligation incurred. Completion of MILS 2343 qualifies a student for entry into the Advanced Course. Three different cycles offered during the summer, but spaces are limited by the Army. Candidates can apply for a space any time during the school year prior to the summer. Open only to students who have not taken all four of MILS 1141, MILS 1142, MILS 2251, and MILS 2252, and who pass an ROTC physical examination. P/F grade only.

**MILS 3131. MILITARY PHYSICAL CONDITIONING III-A. 1 Hour.**

This course is designed to improve on existing previous levels of physical fitness and to develop the ability to design/implement physical fitness regiments structured for large groups or company sized elements. Focus is on achieving Army combat fitness standard and maintaining tactical readiness in dynamic environments in preparation for Army field training exercises. An essential objective for each student is to achieve a minimum score in the Army Fitness test for record and meet contracting standards. Prerequisite: MILS 1111, MILS 1112, MILS 2121, MILS 2122.

**MILS 3132. MILITARY PHYSICAL CONDITIONING III-B. 1 Hour.**

This course is a continuation of MILS 3131 to improve on existing previous levels of physical fitness and to develop the ability to design/implement physical fitness regiments structured for large groups or company sized elements. Focus is on achieving Army combat fitness standard and maintaining tactical readiness in dynamic environments in preparation for Army field training exercises. An essential objective for each student is to achieve a minimum score in the Army Fitness test for record and meet contracting standards. Prerequisite: MILS 1111, MILS 1112, MILS 2121, MILS 2122, MILS 3131.

**MILS 3333. SMALL UNIT TACTICS AND LEADERSHIP. 3 Hours.**

A study of military tactics and leadership at squad, platoon, and company level in both classroom and outdoor laboratory environments. Includes mission planning; movement and maneuver formations and techniques; offensive operations, defensive operations, patrolling, and convoy movement; indirect fires planning; terrain analysis, route selection, danger areas, and security measures; risk management; and motivating subordinates.

**MILS 3341. LEADERSHIP I. 3 Hours.**

Development of ability to evaluate situations, plan and organize training, learn military tactics, review case studies in leadership management and develop teaching and briefing skills. Concurrent enrollment in MILS 0180 mandatory. Prerequisite: permission of the Professor of Military Science (PMS).

**MILS 3342. LEADERSHIP II. 3 Hours.**

Practical application of squad and platoon leadership in tactical situations; operation of small unit communications systems. Development of the leaders' ability to express themselves, analyze military problems, and prepare and deliver logical solutions. Demanding physical fitness training and performance-oriented instruction, in preparation for Summer Field Training. Concurrent enrollment in MILS 0180 mandatory. Prerequisite: permission of the Professor of Military Science (PMS).

**MILS 3370. MILITARY HISTORY. 3 Hours.**

Surveys and analyzes the American military experience from its colonial origins through the present and from a comparative and multinational perspective. Involves reading and writing about American military history, as well as staging simulations and visiting museums and/or battlefields. Prerequisite: Permission of the Professor of Military Science (PMS).

**MILS 3443. LEADER DEVELOPMENT AND ASSESSMENT COURSE. 4 Hours.**

A five-week off-campus field training course stressing the practical application of leadership management, with emphasis on tactical and technical military field skills. Open only to students who have successfully completed MILS 3341 and MILS 3342, P/F grade only.

**MILS 3495. NURSING ADVANCED SUMMER TRAINING. 4 Hours.**

Seven-week off-campus internship at a major U.S. Army hospital for ROTC nursing students. A nursing practicum with the focus on providing the student with hands-on experience which integrates clinical, interpersonal, and leadership knowledge and skills. Practical experience and familiarization with Army nursing in a variety of clinical tasks in the areas of medical-surgical nursing, pediatrics, obstetrics, and, in some cases, intensive care in ICUs. May be used for partial credit for NURS 3647 or NURS 3347 with prior arrangement and approval of the Dean of Nursing.

**MILS 4141. MILITARY PHYSICAL CONDITIONING IV-A. 1 Hour.**

Putting together all of the personal fitness concepts learned in the previous classes with emphasis on leadership of large groups or a battalion sized organization, including planning and coordination of all physical fitness for the ROTC Battalion and evaluation of the personal fitness training and trainers. Coordination of individual training specific to fitness ends. An essential objective for each student is to achieve a minimum score in the Army Fitness test for record. Prerequisite: MILS 1111, MILS 1112, MILS 2121, MILS 2122, MILS 3131, MILS 3132.

**MILS 4142. MILITARY PHYSICAL CONDITIONING IV-B. 1 Hour.**

Continuation of 4141 with emphasis on grasping the Army's policy on physical fitness, fitness maintenance, and safety. Students hone their mastery with Army regulations and forms pertaining to physical fitness. Responsible for planning, documentation, testing and briefing of the ROTC Battalion's Physical Fitness Program. An essential objective for each student is to achieve a minimum score in the Army. Prerequisite: MILS 1111, MILS 1112, MILS 2121, MILS 2122, MILS 3131, MILS 3132, MILS 4141.

**MILS 4341. ADVANCED LEADERSHIP I. 3 Hours.**

Stresses leadership qualities necessary for Command and Staff functions and operations. Plan and conduct meetings, briefings and conferences. Introduction to the Army Logistical System and the Personnel Management System. Preparation of after-action reports. Plan and conduct physical training programs. Concurrent enrollment in MILS 0180 mandatory. Prerequisite: permission of the Professor of Military Science (PMS).

**MILS 4342. ADVANCED LEADERSHIP II. 3 Hours.**

Provides students with a basic working knowledge of the Military Justice System with emphasis on company-level actions and requirements, including Law of Land Warfare. Examines the ethical standards, professional roles, responsibilities, and uniqueness of the profession of officership. Concurrent enrollment in MILS 0180 mandatory. Prerequisite: permission of the Professor of Military Science (PMS).

**MILS 4391. CONFERENCE COURSE. 3 Hours.**

Independent study on an individual basis on current topics in military science. Performance will be assessed by oral examination, written test, or research paper as arranged. May be repeated for credit. Prerequisite: permission of the Professor of Military Science (PMS).