Military Science

Army ROTC-AROTC

The Department of Military Science offers programs leading to an officer's commission in the active Army, Army Reserve, or National Guard in conjunction with an undergraduate or graduate degree. Military science courses are designed to supplement a regular degree program by offering practical leadership and management experience. The Military Science Program at the Colorado School of Mines (Mines) is offered in conjunction with the University of Colorado at Boulder (CU-B). Students attend classes at the Colorado School of Mines in Golden.

Four-Year Program

The four-year program consists of two phases: the basic course (freshman and sophomore years) and the advanced course (junior and senior years).

Basic course (MS I and MS II)

The basic course offers a 2- or 3-credit course each semester, covering Army history and organization as well as military leadership and management. Laboratory sessions provide the opportunity to apply leadership skills while learning basic military skills. Enrollment in the basic course incurs no military obligation except for Army scholarship recipients.

Advanced course (MS III and MS IV)

The advanced course covers leadership, tactics and unit operations, training techniques, military law, and professional ethics, and includes a leadership practicum each semester. A 33-day Cadet Summer Training at Fort Knox, Kentucky, provides challenging leadership training and is a prerequisite for commissioning. Advanced course students must have completed the basic course and obtain permission from the Professor of Military Science (PMS).

Two-Year Program

The two-year program consists of the advanced course, preceded by attending the Cadet Summer Training at Ft. Knox, Kentucky. Veterans, or Active Army Reserve/Army National Guard Soldiers, or students who have participated in three years of Junior ROTC or Civil Air Patrol, may be eligible to enroll in the advanced course without attendance at basic camp or completion of the basic course. Advanced course students must obtain permission from the Professor of Military Science (PMS) at 303-492-6495.

Scholarship Programs

Three-year and Four-year college scholarships are available to eligible high school seniors, who apply before December 1 of their senior year. Competition for two- and three-year scholarships is open to all university students. Scholarship students receive full tuition and mandatory laboratory fees, a book allowance, and an allowance of $300-$500 per month during the academic year. Students interested in the scholarship program should contact the AROTC Enrollment and Scholarship Officer at 303-492-3549 no later than the beginning of the spring semester to apply for the following academic year.

Simultaneous Membership Program

Students currently in the Army Reserves or Army National Guard and entering either the second year of the basic course or the advanced course may participate in the Simultaneous Membership Program (SMP). Students participating in this program will receive $450 to $500 monthly stipend plus their unit pay at the E-5 grade. SMP participants may be eligible for Army Reserve or Army National Guard tuition assistance benefits.

Leadership Laboratories

Leadership labs provide cadets with practical leadership experience and performance-oriented, hands-on instruction outside the classroom. Diagnostic evaluations of cadets in leadership roles are frequently administered. Leadership labs are compulsory for enrolled cadets. Physical training is conducted three times a week with the purpose of developing muscular strength, endurance, and cardio-respiratory endurance.

Veterans

Veterans who have served on active duty or in the Army Reserve/National Guard are also eligible for the ROTC program. Although veterans are not required to take the Basic Course, they are encouraged to do so. A minimum of 60 credit hours are required prior to enrolling in the Advanced Course.

Registration and Credits

Army ROTC serves as free-elective credit in most departments. Elective course credit toward your degree for AROTC classes will be determined by your individual academic advisor. Students who wish to register for Army ROTC classes do so through the normal course registration process at CSM. AROTCl classes begin with the MSGN prefix.

For more information about AROTC, contact:
the Army ROTC Enrollment and Scholarship Officer at:
303-492-3549 or 303-492-6495
or the department on campus directly at:
303-273-3380

The department is located in the Military Science building, 1020 19th Street

You can also go to https://rotc.mines.edu/

For information about ROTC at MINES, call 303-273-3398 or 303-273-3380.

The Mines guidelines for Minor/ASI can be found in the Undergraduate Information section of the Mines Catalog.

Military Science Minor

Army ROTC cadets desiring to receive a minor in Military Science must complete at least 22 credits of Military Science courses as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSGN103</td>
<td>ADVENTURES IN LEADERSHIP I</td>
<td>2.0</td>
</tr>
<tr>
<td>MSGN104</td>
<td>ADVENTURES IN LEADERSHIP II</td>
<td>2.0</td>
</tr>
<tr>
<td>MSGN203</td>
<td>METHODS OF LEADERSHIP AND MANAGEMENT I</td>
<td>2.0</td>
</tr>
<tr>
<td>MSGN204</td>
<td>METHODS OF LEADERSHIP AND MANAGEMENT II</td>
<td>2.0</td>
</tr>
<tr>
<td>MSGN301</td>
<td>MILITARY OPERATIONS AND TRAINING I</td>
<td>3.0</td>
</tr>
<tr>
<td>MSGN302</td>
<td>MILITARY OPERATIONS AND TRAINING II</td>
<td>3.0</td>
</tr>
<tr>
<td>MSGN303</td>
<td>LEADERSHIP LABORATORY</td>
<td>0.5</td>
</tr>
</tbody>
</table>
MSGN204. METHODS OF LEADERSHIP AND MANAGEMENT II. 2.0 Semester Hrs.

(II) Focuses on leadership and management functions in military and corporate environments. Studies various components of Army leadership doctrine to include the four elements of leadership, leadership principles, risk management and planning theory, the be-know-do framework, and the Army leadership evaluation program. Continue to refine communication skills. Lab fee. 1 hour lecture, 2 hours lab, 3 hours PT, and 80 hours field training; 2 semester hours. (Spring).

MSGN298. SPECIAL TOPICS IN MILITARY SCIENCE. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

MSGN404. METHODS OF LEADERSHIP AND MANAGEMENT II. 2.0 Semester Hrs.

(II) Focuses on leadership and management functions in military and corporate environments. Studies various components of Army leadership doctrine to include the four elements of leadership, leadership principles, risk management and planning theory, the be-know-do framework, and the Army leadership evaluation program. Continue to refine communication skills. Lab fee. 1 hour lecture, 2 hours lab, 3 hours PT, and 80 hours field training; 2 semester hours. (Spring).
MSGN398. SPECIAL TOPICS IN MILITARY SCIENCE. 1-6 Semester Hr.
(I, II) Pilot course or special topics course. Topics chosen from special
interests of instructor(s) and student(s). Usually the course is offered only
once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable
for credit under different titles.

MSGN399. INDEPENDENT STUDY. 1-6 Semester Hr.
(I, II) Individual research or special problem projects supervised by a
faculty member, also, when a student and instructor agree on a subject
matter, content, and credit hours. Prerequisite: ?Independent Study?
form must be completed and submitted to the Registrar. Variable credit; 1
to 6 credit hours. Repeatable for credit.

MSGN401. OFFICER LEADERSHIP AND DEVELOPMENT I. 3.0
Semester Hrs.
(I) Examines management and leadership concepts and techniques
associated with planning and executing military training and operations
at company and higher echelons. Includes analyses of professional
ethics and values, effective training principles and procedures,
subordinate counseling, and effective staff officer briefing techniques.
Also investigates other subjects such as counter terrorism, modern
peacekeeping missions, and the impact of the information revolution on
the art of land warfare. Conducted both in and out of classroom setting
and with multiple practical leadership opportunities to organize cadet
training and activities. Prerequisite: none. Lab Fee. 3 hours lecture; 3
semester hours. (Fall).

MSGN402. OFFICER LEADERSHIP AND DEVELOPMENT II. 3.0
Semester Hrs.
(II) Continues MSGN401 study of management and leadership concepts
and techniques, providing practical leadership experiences in the
classroom and during multiple cadet-run activities. Also examines varied
topics such as theory and practice of the military justice system, law
of war, military-media relations, support mechanisms for soldiers and
their families, operational security considerations, and historical case
studies in military leadership in the context of 21st century land warfare.
Prerequisite: none. Lab Fee. 3 hours lecture; 3 semester hours. (Spring).

MSGN403. LEADERSHIP LABORATORY. 0.5 Semester Hrs.
(I) Continued development of leadership techniques by assignment in
the command and staff positions in the Cadet Battalion. Cadets are
expected to plan and execute much of the training associated with
the day-to-day operations within the cadet battalion. Utilizing the troop
leading and management principles learned in previous classes, cadets
analyze the problems which the battalion faces, develop strategies, brief
recommendations, and execute the approved plan. Prerequisite: none.
Lab Fee. 2 hours lab, 3 hours PT, and 80 hours field training; .5 semester
hour. (Fall).

MSGN404. LEADERSHIP LABORATORY. 0.5 Semester Hrs.
(II) Continued leadership development by serving in the command
and staff positions in the Cadet Battalion. Cadets take a large role in
determining the goals and direction of the cadet organization, under
supervision of the cadre. Cadets are required to plan and organize
cadet outings and much of the training of underclassmen. Lab Fee.
Prerequisite: none. Lab Fee. 2 hours lab, 3 hours PT, and 80 hours field
training; .5 semester hour. (Spring).

MSGN498. SPECIAL TOPICS IN MILITARY SCIENCE. 1-6 Semester Hr.
(I, II) Pilot course or special topics course. Topics chosen from special
interests of instructor(s) and student(s). Usually the course is offered only
once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable
for credit under different titles.

MSGN499. INDEPENDENT STUDY. 1-6 Semester Hr.
(I, II) Individual research or special problem projects supervised by a
faculty member, also, when a student and instructor agree on a subject
matter, content, and credit hours. Prerequisite: ?Independent Study?
form must be completed and submitted to the Registrar. Variable credit; 1
to 6 credit hours. Repeatable for credit.