

# Military Science (MS)

<https://www.und.edu/ROTC>

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The Army Reserve Officer Training Corps (ROTC) offers a program of instruction designed to mold men and women into responsible, self-disciplined citizens and leaders. Students seeking a commission as a second lieutenant in the United States Army can expect to learn and develop the following skills: time management, oral and written communication, leadership, management, problem solving and decision making. Selection for active duty and for commissioning as an Army officer is competitive. Students commissioned as reserve officers may request active duty or may serve with the Army Reserve or National Guard after a short period of active duty for officer training. The program is voluntary and is open to both male and female students. Enrollment in Military Science I (freshman year) entails no military service obligation. This offers the student an opportunity to explore military science subjects and is a basis upon which to decide about further enrollment in military science including entering competition for an ROTC scholarship. Winners of three or four year ROTC scholarships incur a military obligation when they enter their MS II (sophomore) year. Other students incur no obligation until their MS III (junior) year. Successful completion of MS I and MS II is a prerequisite to enrollment in MS III and MS IV; however, placement credit procedures are available for veterans, Junior ROTC participants, and transfer students formerly enrolled in other ROTC programs, or by completion of a summer Cadet Initial Entry Training (CIET). Direct questions concerning placement eligibility to the Department of Military Science. Financial assistance is available in the form of two, three, and four year ROTC scholarships. This scholarship pays tuition and laboratory fees or room and board, a flat rate for textbooks and a monthly stipend. All ROTC scholarship students and each non-scholarship junior and senior are paid a graduated stipend. The advance course may be taken for credit only by non-obligated students with prior arrangement through the Department of Military Science. The Department of Military Science is housed in the University Armory which contains a library, physical fitness center, and a computer lab for the use of enrolled students.

## Professional Military Education Requirements

In addition to successfully completing the ROTC curriculum and earning a baccalaureate degree, a cadet must complete an undergraduate history course to meet the requirements for commissioning. Specifically, cadets must take a course in American military history, e.g., Military History, WWII, Nuclear Weapons and the Modern Age, U.S. and Vietnam 1945-1975, U.S. Foreign Relations Since 1900.

## Minor in Military Science

Required 29 credits, including:

MS 301	Military Science III	3
MS 301L	Leadership Lab III	1
MS 302	Military Science III	3
MS 302L	Leadership Lab III	1
MS 341	Military Physical Conditioning III	1
MS 342	Military Physical Conditioning III	1
MS 401	Military Science IV	3
MS 401L	Leadership Lab IV	1
MS 402	Military Science IV	3
MS 402L	Leadership Lab IV	1
MS 441	Military Physical Conditioning IV	1
MS 442	Military Physical Conditioning IV	1
HIST 210 or MS 499	United States Military History Special Topics	3
Select one of the following:		3
POLS 220	International Politics	
POLS 225	Comparative Politics	
HIST 269	World War II	

HIST 335	Nuclear Weapons and the Modern Age	
HIST 339	The United States and Vietnam, 1945-1975	
HIST 412	U.S.Foreign Relations since 1900	
Select one of the following:		3
COMM 212	Interpersonal Communication	
MGMT 300	Principles of Management	
NURS 474	Professional Development II	
PHIL 250	Ethics in Engineering and Science	
PHIL 252	Ethics in Business and Public Administration	
ISBC 117	Personal Productivity with Information Technology *	
ISBC 317	*	
Total Credits		29

\* Must take together

## Courses

### MS 101. Military Science I. 2 Credits.

This beginner class introduces you to the personal challenges and competencies that are critical for effective leadership and communication. You will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officer-ship, and the Army profession. Participation in a weekend exercise is optional. F.

### MS 101L. Leadership Lab I. 1 Credit.

An introduction to individual and team aspects of military team building and leadership in small unit operations. Includes basic drill and ceremony, marksmanship training and fundamental concepts of leadership. Corequisite: MS 101. F.

### MS 102. Military Science I. 2 Credits.

Introduces you to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Through this course, you will learn how Army ethics and values shape your army and the specific ways that these ethics are inculcated into Army culture. Prerequisite: MS 101. S.

### MS 102L. Leadership Lab I. 1 Credit.

An introduction to individual and team aspects of military team building and leadership in small unit operations. Includes operation order writing, team level movement techniques and continue concepts of leadership. Corequisite: MS 102. S.

### MS 201. Military Science II. 2 Credits.

This class primarily is drawn from the Adaptability Army Learning Area (ALA). The outcomes are demonstrated through Critical and Creative Thinking and the ability to apply Troop Leading Procedures (TLP). Comprehension of the officer's role in Leading Change by applying Innovative Solutions to Problems in concert with the Principles of Mission Command. The Army Profession is also stressed through leadership forum and a leadership self-assessment. Prerequisites: MS 101 and MS 102. F.

### MS 201L. Leadership Lab II. 1 Credit.

Learn and apply the principles of effective leadership. Reinforce self confidence. Includes drill and ceremony, weapon qualification and leadership principles. Corequisites: MS 201 and MS 241. F.

### MS 202. Military Science II. 2 Credits.

This class begins the journey to understand and demonstrate Cross-Cultural Competencies as they relate to Army doctrine and how they apply in a combatant commander's Engagement Strategies. Army Values, Teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. The ability to lead and follow is also covered through Team Building exercises in small units up to squad level. Prerequisites: MS 101, MS 102, and MS 201. S.

### MS 202L. Leadership Lab II. 1 Credit.

Learn and apply the principles of effective leadership. Reinforce self confidence. Includes small unit tactics, land navigation and FLRC (Field Leadership Reaction Course). Corequisites: MS 202 and MS 242. S.

### MS 215. Conflict Simulation. 1 Credit.

A course analyzing military strategy and tactics through the use of war gaming activities based upon historical renderings. F,S.

**MS 241. Military Physical Conditioning II. 1 Credit.**

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. A key objective is for each student to achieve a minimum score of 230 points total, in the three events of the Army Personal Fitness Test (APFT): pushups, sit-ups, and a timed two-mile run. Corequisites: MS 201 and MS 201L. F.

**MS 242. Military Physical Conditioning II. 1 Credit.**

Continuation of 201 with emphasis on leadership of a squad during physical training, supervising each individual's correct performance of stretching and calisthenics, as well as following assigned students progression and taking responsibility for mentoring subordinates. A key objective is for each student to achieve a minimum score of 230 points total, in the three events of the Army Personal Fitness Test (APFT): pushups, situps, and a timed two-mile run. Corequisites: MS 202 and MS 202L. S.

**MS 290. ROTC Basic Course. 4 Credits.**

This course allows those students to receive credit for completing Basic Training and AIT; A DD214 is required or completion of CIET (Cadet Initial Entry Training). Both options can also be used to enter the advanced course Army ROTC. It also can be used by military veterans to receive credit for completion of basic training and advanced occupational skill training; A DD214 is required. F,S,SS.

**MS 301. Military Science III. 3 Credits.**

Series of practical opportunities in leadership and problem solving used to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leadership skills. Plan and execute a leadership lab class for the ROTC Battalion. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation. Prerequisites: MS 101, MS 102, MS 201, MS 202 or Basic Combat Training or (CIET) Cadet Initial Entry Training. Corequisites: MS 301L and MS 341. F.

**MS 301L. Leadership Lab III. 1 Credit.**

Series of practical opportunities to lead small groups, receive personal assessments. Use small unit tactics and opportunities to plan and conduct training for lower division students. Prerequisite: MS 101, MS 102, MS 201, and MS 202. Corequisites: MS 301 and MS 341. F.

**MS 302. Military Science III. 3 Credits.**

Continues methodology of MSci 301. Analyze tasks; prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision making in setting a positive climate that enhances team performance. Plan and execute a leadership lab class for the ROTC Battalion. Participation in one weekend exercise is required; two other weekend exercises option. Prerequisites: MS 101, MS 102, MS 201, MS 202, and MS 301. Corequisites: MS 302L and MS 342. S.

**MS 302L. Leadership Lab III. 1 Credit.**

Series of practical opportunities to lead small groups, receive personal assessments. Use small unit tactics and opportunities to plan and conduct training for lower division students. Corequisites: MS 302 and MS 342. S.

**MS 341. Military Physical Conditioning III. 1 Credit.**

Instruction is on leadership of a company sized element and the phases of fitness conditioning, preparatory conditioning, and maintenance. A key objective is for each student to achieve a minimum score of 260 points total, in the three events of the Army Personal Fitness Test (APFT): pushups, sit-ups, and a timed two-mile run. Corequisites: MS 301 and 301L. F.

**MS 342. Military Physical Conditioning III. 1 Credit.**

Continuation of 341 with instruction on leadership of a company sized element and the phases of fitness conditioning, preparatory conditioning, and maintenance. A key objective is for each student to achieve a minimum score of 260 points total, in the three events of the Army Personal Fitness Test (APFT): pushups, sit-ups, and a timed two-mile run. Corequisites: MS 302 and MS 302L. S.

**MS 401. Military Science IV. 3 Credits.**

The focus of this semester is leadership development, critical thinking, and the final preparation for commissioning as an Army Lieutenant. There is an instructional mixture of leadership, professional competence, adaptability, teamwork, lifelong learning, comprehensive fitness, and the Army as a profession. Course includes leadership laboratories and field exercises to further leader development and preparation as a future Army leader. Prerequisites: MS 101, MS 102, MS 201, MS 202, MS 301 and MS 302. Corequisites: MS 401L and MS 441. F.

**MS 401L. Leadership Lab IV. 1 Credit.**

A culmination of all the concepts learned in the previous classes with emphasis on writing operation orders for company level and higher. Responsible for all Army ROTC Cadet Battalion training involving a series of practical exercises and evaluation of training. Corequisites: MS 401 and MS 441. F.

**MS 402. Military Science IV. 3 Credits.**

This course is the culmination of a well-rounded four year educational experience. It is during this semester that the Cadet is undergoing final preparation for commissioning and integration into the Army. The emphasis is placed on skills that the newly commissioned officer will need to succeed in their first unit of assignment, demonstrating the ability to plan, prepare, execute, and assess platoon-level training strategies to enable mission accomplishment. Course includes leadership laboratories and field exercises. Prerequisites: MS 101, MS 102, MS 201, MS 202, MS 301, MS 302, and MS 401. Corequisites: MS 402L and MS 442. S.

**MS 402L. Leadership Lab IV. 1 Credit.**

A culmination of all of the concepts learned in the previous classes with emphasis on writing operation orders for company level and higher. Responsible for all Army ROTC Cadet Battalion training involving a series of practical exercises and evaluation of training. Corequisites: MS 402 and MS 442. S.

**MS 441. Military Physical Conditioning IV. 1 Credit.**

Putting together all of the personal fitness concepts learned in the previous classes with emphasis on leadership of 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 of 270 points total, in the three events of the Army Physical Fitness Test (APFT): pushups, sit-ups, and a timed two-mile run. Corequisites: MS 401 and MS 401L. F.

**MS 442. Military Physical Conditioning IV. 1 Credit.**

Continuation of 441 with emphasis on grasping the Army's policy on physical fitness, fitness maintenance, and safety. Become familiar with Army regulations and forms pertaining to physical fitness. Responsible for documentation, testing and briefing of the ROTC Battalion's Physical Fitness Program. An essential objective for each student is to achieve a minimum score of 270 points total, in the three events of the Army Physical Fitness Test (APFT): timed pushups, sit-ups, and a two-mile run. Corequisites: MS 402 and MS 402L. S.

**MS 499. Special Topics. 1-3 Credits.**

Special Topics for the Department of Military Science. Repeatable to 6 credits. Repeatable to 6 credits. F,S.