

# Military Science (MS)

## Courses

### MS 111 Military Science I 1 Credit

Leader Development and Individual Soldier Skills I – An introduction to Army customs, courtesies, and traditions. Introduction to leadership development, values and ethics of the Army; physical wellness and fitness, and stress management. Laboratory work: Basic land navigation skills, field craft skills, and basic rifle marksmanship. Includes 1 lecture hour and 2 other hours enrolled in MS 111 LL1, plus 3 hours of Physical Training, weekly. Not eligible for use as part of the 6 ROTC credits allowed for degree electives. United States Soldiers who have completed both Basic Combat Training (BCT) and Advanced Individual Training (AIT) will receive credit for MS 111 and MS 112 courses with a Joint Service Transcript. Prerequisite: Open to freshmen and sophomores only, or by permission from the Military Science Instructor.

### MS 112 Military Science I 1 Credit

Leader Development and Individual Soldier Skills II - Introduction to basic leadership fundamentals: as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Exploration of the dimensions of leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises. Introduction to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Class training and labs prepare students to advance basic Soldier skills and tactical techniques. Laboratory work: Advanced land navigation skills, basic rifle marksmanship, and troop leading procedures. Includes 1 lecture hour and 2 other hours enrolled in MS 112 LL1, plus 3 hours of Physical Training, weekly. This requirement may be waived by the Military Science Instructor. Not eligible for use as part of the 6 ROTC credits allowed for degree electives. United States Soldiers that have completed both Basic Combat Training (BCT) and Advanced Individual Training (AIT) will receive credit for MS 111 and MS 112 courses with a Joint Service Transcript. Prerequisite: Open to freshmen and sophomores only, or permission by the Military Science Instructor. Completion of MS 111 or equivalent with a C or higher.

### MS 211 Military Science II 2 Credits

The Principles of Small Unit Tactics-Leadership Laboratory. Teaches individual soldier skills for survival in modern combat and leadership roles required for infantry team and squad leader in developing technically and tactically proficient soldiers. Training in intelligence gathering, radio communication, individual and crew served weapons; introduced to collective tasks; such as, tactical movements and formations needed to conduct squad offensive, defensive, and patrolling missions. Includes 2 lecture hours. Students pursuing an Army commission must also register for MS 211 LL1, which includes 2 hours of Leadership Lab plus 3 hours of Physical Training, weekly. Not eligible for use as part of the 6 ROTC credits allowed for degree elective. Prerequisite: Completion of MS 111 and MS 112 or equivalent with a C or higher.

### MS 212 Military Science II 2 Credits

Principles of Leadership and Small Unit Tactics II – Examines the leader's role in directing and coordinating the efforts of subordinates. Decision making skills, problem solving skills and troop leading procedures continue to be honed through leadership roles. Laboratory work: Small unit tactics, advanced land navigation, physical fitness, and troop leading procedures. Includes 2 lecture hours. Not eligible for use as part of the 6 ROTC credits allowed for degree elective. Students pursuing an Army commission must also register for MS 212 LL1, which includes 2 hours of Leadership Lab plus 3 hours of Physical Training, weekly. Prerequisite: Completion of MS 211 or equivalent with a C or higher.

### MS 311 Military Science III 3 Credits

Adaptive Team Leadership -- A comprehensive study and application of light infantry squad tactical operations. Continues to develop oral and written communication skills through preparation and briefing of warning, fragmentary, and operations orders; individual Soldiers' skills to include land navigation and terrain analysis; and leadership and management skills through tactical squad missions and the conduct of physical training. The course further integrates the Army's problem solving methodology while exhibiting dynamic leadership; and technical and tactical expertise when conducting offensive and defensive operations at the squad level. Includes 3 lecture hours. Students pursuing an Army commission must also register for MS 311 LL1, which includes 2 hours of Leadership Lab plus 3 hours of Physical Training, weekly. May be used as part of the 6 ROTC credits allowed for degree electives. Prerequisite: Completion of MS 212 or equivalent with a C or higher.

### MS 312 Military Science III 3 Credits

Applied Team Leadership -- A comprehensive study and application of light infantry and ranger patrolling operations. Teaches learning leadership techniques by gaining a comprehensive understanding of the mission and organization of combat and reconnaissance patrols and the methods utilized by effective combat leaders. Explores historical examples to illustrate the critical importance of dynamic leadership. Activities used to demonstrate an understanding of the Army's problem solving processes, fully integrating leadership, technical knowledge, and applying doctrinally sound tactics while conducting full-spectrum operations at the platoon level. Includes 3 lecture hours. Students pursuing an Army commission must also register for MS 312 LL1, which includes 2 hours of Leadership Lab plus 3 hours of Physical Training, weekly. May be used as part of the 6 ROTC credits allowed for degree electives. Prerequisite: Completion of MS 311 or equivalent with a C or higher.

**MS 411 Military Science IV 3 Credits**

Transition from Cadet to U.S. Army 2nd Lieutenant -- The first of two senior capstone courses in Military Science. Training includes Army operations, training management, communications and leadership skills; will participate in selected studies of Military History including a visit to the Revolutionary War battlefield; will attain knowledge and proficiency in several critical areas, as follows: Army training management system, coordinating activities with staffs, and counseling skills. These skills will assist in leading Junior Army ROTC cadets throughout the school year. Instruction will include lecture/seminar, case studies, practical exercises and military laboratories to include field-training exercises. One third of the grade will include a measurement of the student's ability to develop subordinate leaders and personnel. With the addition of MS 412 in the spring, this training assists in the transition to the Branch specific Basic Course as Commissioned Army Officers possessing high moral character, instilled with Army values, physically fit, knowledgeable in basic soldier skills and a meaningful understanding of leadership and management. Includes 3 lecture hours and also is required to enroll in MS 411 LL1, which is 2 Leadership Lab hours plus 3 hours of Physical Training, weekly. May be used as part of the 6 ROTC credits allowed for degree electives. Prerequisite: Completion of MS 312 or equivalent with a C or higher. Restricted to students pursuing a commission.

**MS 412 Military Science IV 3 Credits**

Transition from Cadet to U.S. Army 2nd Lieutenant – The second of two senior capstone courses. Study of origins, development, and implementation of U.S. National Security Policy as it applies to the application of land power; focus on understanding and conducting Military Operations, the parameters in which the U.S. will participate, and the role of the military in PKOs. Intense understanding how to prepare and the students' particular organization to ensure their objectives support the National policy; case studies of recent Military Operations; how tactical decisions can affect strategic outcomes, and the study of current events. Further development of individual leadership skills and knowledge through class seminars, leadership laboratories, and field training exercises; will assess the level of training in their organizations, develop a training plan to correct deficiencies and re-enforce strengths, and how to evaluate training results. The second half of the semester will further develop an understanding of leadership in organizations, team building, counseling subordinates, and the various support systems available to leaders. Advanced oral and written communications skills--preparing written assignments in the military writing style, along with oral presentations. Includes 3 lecture hours and also is required to enroll in MS 412 LL1, which is 2 Leadership Lab hours plus 3 hours of Physical Training, weekly. May be used as part of the six ROTC credits allowed for degree electives. Prerequisite: Completion of MS 411 or equivalent with a C or higher. Restricted to students pursuing a commission.

**MS 499 Topics in Military Science 3 Credits**

A 45-hour, distant learning (DL) course covering the gamut of U.S. Military History from pre-colonial through Global War on Terror; gives requisite understanding of military history and the military's role as one component of national power. Developed by: KARTA/MTS Technologies, as a synchronous/asynchronous instructional program; Materials provided by: The Ambrose-Hesseltine, Assistant Professor of U.S. Military History at the University of Wisconsin-Madison; Development and resourced through: Combat Studies Institute at the United States Army Combined Army Center (Fort Leavenworth, KS); is proctored by a Military History Instructor Course, qualified ROTC Cadre member. Requirements may be waived by the Military Science Instructor. May be used as part of the six ROTC credits allowed for degree electives. Prerequisite: Completion of all MS 111, 112, 211, 212, 311, 312, or equivalent with a C or higher.