

# MILITARY SCIENCE (MSC)

## MSC 101 Introduction to the Army (1)

Corequisite(s): MSC 103 Lab required.

This course will introduce 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, mental/physical resiliency, and stress management relate to leadership, officership, and the Army profession. As you become further acquainted with MSC courses, you will learn the structure of the ROTC Basic Course program consisting of MSC 101, 102, 201, 202, Fall and Spring Leadership Labs and LTC. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

## MSC 102 Foundations of Leadership (1)

Corequisite(s): MSC 104 Lab required.

This course will introduce 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, mental/physical resiliency, and stress management relate to leadership, officership, and the Army profession. As you become further acquainted with MSC courses, you will learn the structure of the ROTC Basic Course program consisting of MSC 101, 102, 201, 202, Fall and Spring Leadership Labs and LTC. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

## MSC 103 Introduction to the Army Lab (2)

Required to be taken respectively in conjunction with 101 and 102.

Students will demonstrate knowledge of subjects taught in lecture and additional topics taught in the lab through hands-on training. Emphasis is on developing leadership skills, physical fitness, and military knowledge. Students participate in physical fitness activities a minimum of one hour each week to learn the fundamentals of exercise and gain aerobic and muscular fitness.

## MSC 104 Foundations of Leadership Lab (2)

Required to be taken respectively in conjunction with 101 and 102.

Students will demonstrate knowledge of subjects taught in lecture and additional topics taught in the lab through hands-on training. Emphasis is on developing leadership skills, physical fitness, and military knowledge. Students participate in physical fitness activities a minimum of one hour each week to learn the fundamentals of exercise and gain aerobic and muscular fitness.

## MSC 112 Basic Marksmanship (2)

Fundamentals, principles, and techniques of marksmanship including equipment, maintenance, shooting position, safety, and range operation. Students fire marksmanship rifles.

## MSC 113 Survival (3)

Prerequisite(s): Medical clearance is required.

Examines options available in outdoor environments for survival. Students appraise and prioritize their physical and emotional needs incorporating Maslow's hierarchy. Demonstration of outdoor skills including rappelling, orienteering, and employment of game trapping methods.

## MSC 115 First Aid (3)

Instruction in lifesaving measures for clearing the airway, rescue breathing, cardiopulmonary resuscitation, controlling bleeding, preventing shock, treating fractures and emergency care for other serious injuries. Prevention of illness and injuries is emphasized.

## MSC 120 Military Science Special Topics (1-43)

(1-43). This introductory course explores fundamental military concepts, including warfare principles, leadership basics, ethical considerations, and the role of modern technology in military operations. Students will analyze historical and contemporary conflicts while developing foundational problem-solving and decision-making skills. Repeatable for a maximum of 43 total credit hours with department head approval. Grades: Pass/No Credit.

## MSC 201 Leadership and Ethics (2)

Corequisite(s): MSC 203.

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises. The focus continues to build on developing knowledge of the leadership attributes and core leader competencies through the understanding of Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics. Case studies will provide a tangible context for learning the Soldier's Creed and Warrior Ethos.

## MSC 202 Army Doctrine and Decision Making (2)

Corequisite(s): MSC 204 Lab required.

This course examines the challenges of leading teams in the complex operational environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations.

## MSC 203 Leadership and Ethics Lab (2)

Required in conjunction with MSC 201 and 202. Students demonstrate knowledge of subjects taught in lecture through hands-on experience. Emphasis is on developing leader and military skills, and enhancing military knowledge. Students participate in physical fitness activities a minimum of two hours each week to learn the fundamentals of exercise and gain aerobic and muscular fitness. MSC 201, 202 required.

## MSC 204 Army Doctrine and Decision Making Lab (2)

Required in conjunction with MSC 201 and 202. Students demonstrate knowledge of subjects taught in lecture through hands-on experience. Emphasis is on developing leader and military skills, and enhancing military knowledge. Students participate in physical fitness activities a minimum of two hours each week to learn the fundamentals of exercise and gain aerobic and muscular fitness. MSC 201, 202 required.

## MSC 205 Cadet Summer Training- Basic Camp (3)

Prerequisite(s): Pass a standard medical physical, take the Army Physical Fitness Test, and approval of the Department Head.

Students travel to Fort Knox, Kentucky, to attend a four-week course designed for those who wish to enter MSC 301 but did not participate in 100 and 200-level Military Science classes. The course provides an introduction to the Army, as well as an introduction to leadership theory and techniques. Students apply leadership theory in a hands-on environment. Students participate in Rappelling, Water Survival, Basic Marksmanship, and in a Leader's Reaction Course where small teams solve challenging problems in a field environment. All travel, lodging, and meal costs are paid for by the Department of the Army. No fee.

## MSC 300 Leaders Training Course Prep (1)

**MSC 301 Training Management and the Warfighting Functions (3)**

Prerequisite(s): MSC 101, 102, 201, 202 or successful completion of the Leader Training Course, Army Basic Training, or a prescribed course of study approved by the Department Head.

Corequisite(s): MSC 301 Lab required.

Lecture: Builds on previous leadership courses by introducing advanced theories and applying previous learning during practical classroom and field training exercises. Emphasis is on problem solving and learning how to motivate self and others as well as small unit leadership techniques and military small unit tactics. Students learn how to evaluate/analyze military missions and plan and prepare orders for military operations. Students must participate in a two-day field training exercise during the semester. (2). Lab: Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development & Assessment Course (LDAC).

**MSC 302 Applied Leadership in Small Unit Operations (3)**

Prerequisite(s): MSC 301.

Corequisite(s): MSC 302 Lab required.

Lecture: Reinforces dimensions of leadership taught in MSC 301 and addresses additional dimensions. Students study group dynamics, adult learning, personality models, and ethical decision making. Students refine oral communication skills and prepare and deliver information briefings. Students must participate in a three-day field training exercise during the semester. (2). Lab: Students learn small unit military tactics/operations. Students apply theory taught in MSC 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development & Assessment Course (LDAC).

**MSC 303 Advanced Military Science III (3)**

May-term class emphasizes and refines all MSC 301 and 302 skills. Students enhance personal orienteering, rifle marksmanship, communications and physical training skills and abilities. Students practice planning and executing small unit operations and lead their peers in small unit operations. Students participate in a major field training exercise. Course is mandatory for all students attending LDAC during the summer terms.

**MSC 304 American Military History (3)**

The evolution of warfare and the military in America's past. Required for commissioning.

**MSC 305 Cadet Summer Training-Advanced Camp (3)**

Prerequisite(s): MSC 301, 302, 303, and/or the approval of the Department Head.

Students fly to Fort Lewis, Washington to attend LDAC. During the five-week course, a student's basic military, organizational, communications, and leadership skills are evaluated as they interact with ROTC cadets from colleges and universities across the nation. Travel and living expenses are paid by the Department of the Army. No fee.

**MSC 307 Training Management and the Warfighting Functions Lab (2)**

Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 and 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development and Assessment Course (LDAC).

**MSC 308 Applied Leadership in Small Unit Operations Lab (2)**

Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 and 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development and Assessment Course (LDAC).

**MSC 320 Military Science Advanced Special Topics (1-43)**

(1-43). This advanced course focuses on foundational military science by focusing on strategic thinking, leadership in complex environments, joint and coalition operations, and the integration of emerging technologies. Students will engage in case studies, simulations, and war-gaming exercises to refine their decision-making skills. Repeatable for a maximum of 43 total credit hours with department head approval. Grades: Pass/No Credit.

**MSC 401 The Army Officer (3)**

Prerequisite(s): Approval of the Department Head.

Corequisite(s): MSC 401 Lab required.

Lecture: An examination of advanced leadership theory. In depth analysis of professionalism, ethical decision making, learning in organizations, the role of communications, and hierarchical staff functions. (2). Lab: Application of Leadership Theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations.

**MSC 402 Company Grade Leadership (3)**

Prerequisite(s): Approval of the Department Head.

Corequisite(s): MSC 408 Lab required.

Lecture: Course provides in-depth analysis of the role of law in the conduct of Army operations, personnel management, logistics management, and applied doctrine. (2). Lab: Application of Leadership Theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations.

**MSC 403 Seminar on Leadership (3)**

Prerequisite(s): Approval of the Department Head.

A directed study of various themes in leadership theory. Application of leadership theory, problem solving, decision-making, risk-analysis and communicative skills to selected topics. Student are required to conduct an oral presentation of their selected theme. Course includes intern work, where the student acts as an assistant to a member of the staff.

**MSC 407 The Army Officer Lab (2)**

Application of leadership theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations. Approval of the Professor of Military Science is required.

**MSC 408 Company Grade Leadership Lab (2)**

Application of leadership theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations. Approval of the Professor of Military Science is required.