

Military Science

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The Army Reserve Officer Training Corps (ROTC) is a series of elective college courses, taken in conjunction with a full load of academic courses. Participation in ROTC instruction in leadership and management helps students develop discipline, physical stamina, and confidence. The ROTC program augments the Lyon College's strategic goals by emphasizing academic excellence and the development of personal integrity, honor, and responsibility.

Military Science Degrees

Military Science Concentration

Military Science Instructor: Jerry Bowling

The Military Science and Leadership (MSL) concentration is offered in conjunction with the affiliate Reserve Officers Training Corp (ROTC) program at Lyon College and offers a pathway to commissioning as an officer in the U.S. Army (active duty), the U.S. Army Reserve (USAR) or the Army National Guard. The eight MSL courses required for contracted cadets will generate a total of 18 credit hours toward their undergraduate degree, and provide military career preparation in the areas of leadership, soldiering, and the roles and uses of the armed forces.

Summary of Requirements for a Concentration in Military Science

Item #	Title	Credits
MSL 101	Introductory to the Army	1
MSL 102	Foundations of Agile and Adaptive Leadership	1
MSL 201	Leadership and Decision Making	2
MSL 202	Army Doctrine and Team Development	2
MSL 301	Training Management and the Warfighting Functions	3
MSL 302	Applied Leadership In Small Unit Operations	3
MSL 401	The Army Officer	3
MSL 402	Company Grade Leadership	3
Total Credits		3

Military Science (MSL) Courses

MSL 101: Introductory to the Army

Focuses on introduction to the Army and critical thinking. It introduces Cadets to the Army and the Profession of Arms. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model

while gaining a complete understanding of the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Cadets also learn how resiliency and fitness supports their development as an Army leader. Includes a weekly lab facilitated by MSL III Cadets and supervised by Cadre.

Credits 1

Corequisites

MSL 150

MSL 102: Foundations of Agile and Adaptive Leadership

Introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, and communication. Cadets learn the basics of the communications process and the importance for leader's to develop the essential skills to effectively communicate in the Army. Cadets will begin learning the basics of squad level tactics that will be reinforced during a weekly lab facilitated by MSL III Cadets and supervised by Cadre.

Credits 1

Corequisites

MSL 150

MSL 150: Military Science Lab

This course will allow students to practice and hone the skills learned in the classroom. The primary focus will be on the proper execution of battle drills while allowing ample opportunities to exercise and develop leadership skills. At the conclusion of this course, the student will be able to plan, coordinate, navigate, motivate, and lead a platoon in future operational environments. Since Lab 150 is repeatable it would count for activity credits toward graduation requirements as determined by the course catalog. This class must be taken in conjunction with any other course from the MSL series of classes. Repeatable for credit.

Credits 1

MSL 201: Leadership and Decision Making

Focuses on leadership and decision making. The course adds depth to the Cadets understanding of the Adaptability Army Learning Area. The outcomes are demonstrated through Critical and Creative Thinking and the ability to apply Troop Leading Procedures (TLP) to apply Innovative Solutions to Problems. The Army Profession is also stressed through leadership forums and a leadership self- assessment. Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during a weekly lab facilitated by MSL III Cadets and supervised by Cadre.

Credits 2

Corequisites

MSL 150

MSL 202: Army Doctrine and Team Development

This course begins the journey to understand and demonstrate competencies as they relate to Army doctrine. 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 at squad level. Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during a weekly lab facilitated by MSL III Cadets and supervised by cadre.

Credits 2

Corequisites

MSL 150

MSL 301: Training Management and the Warfighting Functions

This is an academically challenging course where students will study, practice, and apply the fundamentals of Training Management and how the Army operates through the Warfighting functions. At the conclusion of this course, students will be capable of planning, preparing, and executing training for a squad conducting small unit tactics. Includes a lab per week using peer facilitation overseen by MSL IVs, supervised by ROTC Cadre.

Credits 3

Prerequisites

MSL 101, MSL 102, MSL 201, and MSL 202 or acceptable equivalent.

Corequisites

MSL 150

MSL 302: Applied Leadership In Small Unit Operations

This is an academically challenging course where students will study, practice, and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, students will be capable of planning, coordinating, navigating, motivating and leading a platoon in the execution of a mission. Includes a lab per week using peer facilitation overseen by MSL IVs, supervised by ROTC Cadre. Successful completion of this course will help prepare students for the Cadet Summer Training Advance Camp, which you will attend in the summer at Fort Knox, KY.

Credits 3

Prerequisites

MSL 101, MSL 102, MSL 201, MSL 202, and MSL 301 or acceptable equivalent.

Corequisites

MSL 150

MSL 401: The Army Officer

Focuses on development of the Army Officer. It is an academically challenging course where students will develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Students will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course students will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC Cadre.

Credits 3

Prerequisites

MSL 101, MSL 102, MSL 201, MSL 202, MSL 301, and MSL 302 or acceptable equivalent.

Corequisites

MSL 150

MSL 402: Company Grade Leadership

Students will develop knowledge, skills, and abilities required of junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. This course includes readings, small group assignments, briefings, case studies, practical exercises, and an Oral Practicum as the final exam. The Oral

Practicum explores students' knowledge of how they will be prepared for the 20 Army Warfighting Challenges (AWFC) covered throughout the ROTC Advanced Course. Successful completion of this course will assist in preparing you for your BOLC B course and is a mandatory requirement for commissioning. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC Cadre.

Credits 3

Prerequisites

MSL 150

MSL 101, MSL 102, MSL 201, MSL 202, MSL 301, MSL 302, and MSL 401

MSL 480: Special Problems in Military Science

This is an academically challenging course where the student will study, practice, develop, and apply critical thinking skills pertaining to Army leadership, officer skills, Army Values and ethics, personal development, and small unit tactics at the platoon level. This course includes reading assignments, self-directed research assignments, briefings, case studies, practical exercises, and a Capstone Exercise in place of the final exam. The student will receive systematic and specific feedback on their leader attributes, values, and core leader competencies from their cadre, PMS, and other instructors who will evaluate you using the Cadet Officer Evaluation Report (COER). At the conclusion of this course, the student will be able to plan, coordinate, navigate, motivate and lead a platoon in future operational environments. Successful completion of this course will assist in preparing you for your BOLC B course.

Credits 3

Prerequisites

MSL 401

MSL 402