MAS - Military Aerospace Studies

MAS 100. AF Physical Fitness. 1 Credit. (1 Lab; 8 cr max) F
Maximum 8 cr. Provides students a framework of fitness skills, planning, and testing for a lifetime of health. Consists of two Physical Training sessions per week that include running, swimming, strength and flexibility, core development sports, and team building exercises. This course may be repeated for credit.

MAS 110. Foundations of The Air Force I. 1 Credit. (1 Lec) F
COREQUISITE: MAS 115. Survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Communication Studies are woven throughout the four year program.

MAS 111. Foundations of The Air Force II. 1 Credit. (1 Lec) S
COREQUISITE: MAS 116. Survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Communication Studies are woven throughout the four year program.

MAS 115. Leadership Laboratory 115. 0 Credits. (non-credit lab) F
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 110. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Acquaints cadets with basic Air Force knowledge and skills to help them determine whether they wish to continue with the AFROTC program.

MAS 116. Leadership Lab 116. 0 Credits. (non-credit lab) S
PREREQUISITE: Consent of instructor and approval of Department Head. COREQUISITE: MAS 111. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Acquaints cadets with basic Air Force knowledge and skills to help them determine whether they wish to continue with the AFROTC program.

MAS 210. The Employment of Air and Space Power I. 1 Credit. (1 Lec) F
COREQUISITE: MAS 215. Introduction to air power through examination of the Air Force Core Functions; and continued application of communication skills. Instills an appreciation of the development and employment of air power and transition sophomores from AFROTC cadet to AFROTC officer candidate.

MAS 211. The Employment of Air and Space Power II. 1 Credit. (1 Lec) S
COREQUISITE: MAS 216. Introduction to air power through examination of the Air Force Core Functions; and continued application of communication skills. Instills an appreciation of the development and employment of air power and transition sophomores from AFROTC cadet to AFROTC officer candidate.

MAS 212. Flight Ground School. 2 Credits. (2 Lec) S
PREREQUISITE: Approval of instructor. (This MAS course is available only through Burns Telecom Center under separate registration). Basics required for learning to fly single-engine land type aircraft. Covers material tested on the FAA Private Pilot written exam, to include performance, the science of flight, meteorology, FAA regulations, navigation, and the physiology of flight.

MAS 215. Leadership Laboratory 215. 0 Credits. (non-credit lab) F
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 210. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Provides training to ensure every cadet is mentally and physically prepared for the rigorous field training environment.

MAS 216. Leadership Lab 216. 0 Credits. S
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 211. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Provides training to ensure every cadet is mentally and physically prepared for the rigorous field training environment.

MAS 260. USAF Aerospace Weapons. 3 Credits. (3 Lec) S
The study of the weapons systems employed by the United States Air Forces. It also presents the basics of their integration and employment at the operations level.

MAS 281. Leadership & Fitness. 2 Credits. (2 Lab) F,S
An introduction to leadership principles and practicum through organized group fitness. Leadership and Fitness uses group fitness workouts as a means to improve personal fitness, examine leadership techniques, and give students a hands-on leadership experience by personally leading the group.

MAS 291. Special Topics. 1-4 Credits. (1 Lec; 12 cr max) F
Maximum 12 cr. PREREQUISITE: None required but some may be determined necessary by each offering department. Courses not required in any curriculum for which a special topic is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

MAS 292. Independent Study. 1-4 Credits. (1 Lec; 6 cr max) F
Maximum 6 cr. PREREQUISITE: Consent of instructor and approval of the director. Directed research and study on an individual basis.

MAS 309. Fld Training, 4 Week. 2 Credits. (2 Lab) F
PREREQUISITE: MAS 110, MAS 111, MAS 210, MAS 211 and junior standing. Required for all AFROTC cadets except those who have completed MAS 209. Orientation on an Air Force base, flying orientation, survival and small arms training, physical training, drill and ceremonies.

MAS 310. Air Force Leadership and Management I. 3 Credits. (3 Lec) F
COREQUISITE: MAS 315 Teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

MAS 311. Air Force Leadership and Management II. 3 Credits. (3 Lec) S
COREQUISITE: MAS 516 Teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

MAS 315. Leadership Laboratory 315. 0 Credits. (non-credit lab) F
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 310. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Provides cadets the opportunity to further develop the leadership and followership skills learned at field training sharpening planning, organizational and communications skills.

MAS 316. Leadership Lab 316. 0 Credits. (non-credit lab) S
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 311. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Provides cadets the opportunity to further develop the leadership and followership skills learned at field training sharpening planning, organizational and communications skills.

MAS 411. National Security Affairs/Preparation for Active Duty I. 3 Credits. (3 Lec) F
PREREQUISITE: Approval of department head (for students not pursuing a commission in the U.S. Air Force) COREQUISITE: MAS 415. Designed for seniors, provides the foundation to understand their role as military officers in American society. An overview of the complex social and political issues facing the military profession; requires a measure of sophistication commensurate with the senior college level.

MAS 411. National Security Affairs/Preparation for Active Duty II. 3 Credits. (3 Lec) S
PREREQUISITE: MAS 410, approval of department head (for students not pursuing a commission in the U.S. Air Force). COREQUISITE: MAS 416. Designed for seniors, provides the foundation to understand their role as military officers in American society. An overview of the complex social and political issues facing the military profession; requires a measure of sophistication commensurate with the senior college level.

MAS 415. Leadership Laboratory 415. 0 Credits. (non-credit lab) F
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 410. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Provides additional opportunities to develop leadership and supervisory capabilities, and prepares cadets for their first active duty assignment.

MAS 416. Leadership Lab 416. 0 Credits. (non-credit lab) S
PREREQUISITE: Consent of instructor and approval of department head. COREQUISITE: MAS 411. A student planned, organized, and executed practicum with leadership developmental activities for prospective Air Force second lieutenants. Provides additional opportunities to develop leadership and supervisory capabilities, and prepares cadets for their first active duty assignment.

MAS 491. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) F
Maximum 12 cr. PREREQUISITE: Course prerequisites as determined for each offering. Courses not required in any curriculum for which there is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.
MAS 492. Independent Study. 1-3 Credits. (1 Ind; 6 cr max) On Demand
Max 6 cr. PREREQUISITE: Consent of instructor and approval of department head.
Directed research and study on an individual basis.