AEROSPACE STUDIES (AS)

ROTC subjects do not carry academic credit at MIT, but they can be counted toward the PE Requirement. Up to two points per year with a maximum of four points.

Aerospace Studies

AS.101 Heritage and Values of the United States Air Force
Prereq: None. Coreq: AS.111
U (Fall)
1-0-1 units
Survey course designed to introduce students to the United States Air Force. Provides an overview of the basic characteristics, missions, and organizations of the Air Force.
T. Hubbard

AS.102 Heritage and Values of the United States Air Force
Prereq: AS.101 or permission of instructor; Coreq: AS.112
U (Spring)
1-0-1 units
Survey course designed to introduce students to the United States Air Force. Provides an overview of the basic characteristics, missions, and organizations of the Air Force. AS.102 is a continuation of AS.101.
T. Hubbard

AS.111 Leadership Laboratory
Prereq: None. Coreq: AS.111
U (Fall)
0-2-2 units
First-year General Military Course. Includes a study of Air Force customs and courtesies, drill and ceremonies, and military commands. Also includes studying the environment of an Air Force officer and learning about areas of opportunity available to commissioned officers, as well as interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.112 is a continuation of AS.111.
P. Dela Cruz

AS.112 Leadership Laboratory
Prereq: AS.111 or permission of instructor; Coreq: AS.102
U (Spring)
0-2-2 units
Includes a study of Air Force customs and courtesies, drill and ceremonies, and military commands. Also includes studying the environment of an Air Force officer and learning about areas of opportunity available to commissioned officers, as well as interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.112 is a continuation of AS.111.
P. Dela Cruz

AS.201 Team and Leadership Fundamentals
Prereq: AS.201 or permission of instructor; Coreq: AS.211
U (Fall)
1-0-1 units
Focuses on laying the foundation for teams and leadership. Topics center on skills that allow cadets to improve their leadership on a personal level and within a team. Prepares cadets for their field training experience where they have the opportunity to put the concepts covered in to practice. Aims to instill a leadership mindset and motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.
T. Hubbard

AS.202 Team and Leadership Fundamentals
Prereq: AS.201 or permission of instructor; Coreq: AS.212
U (Spring)
1-0-1 units
Focuses on laying the foundation for teams and leadership. Topics center on skills that allow cadets to improve their leadership on a personal level and within a team. Prepares cadets for their field training experience where they have the opportunity to put the concepts covered in to practice. Aims to instill a leadership mindset and motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.
T. Hubbard

AS.211 Leadership Laboratory
Prereq: AS.112 or permission of instructor; Coreq: AS.201
U (Fall)
0-2-2 units
Emphasizes development of techniques used to direct and inform. Students are assigned leadership and management positions in the AS.111 programs. AS.212 is a continuation of AS.211.
P. Dela Cruz
AS.212 Leadership Laboratory
Prereq: AS.211 or permission of instructor; Coreq: AS.202
U (Spring)
0-2-2 units
Emphasizes development of techniques used to direct and inform. Students are assigned leadership and management positions in the AS.111 programs described above. AS.212 is a continuation of AS.211.
*P. Dela Cruz*

AS.301 Leading People and Effective Communication
Prereq: AS.202 or permission of instructor; Coreq: AS.311
U (Fall)
3-0-6 units
Covers advanced skills and knowledge in management and leadership, with special emphasis on enhancing cadets’ leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.
*S. Ott*

AS.302 Leading People and Effective Communication
Prereq: AS.301 or permission of instructor; Coreq: AS.312
U (Spring)
3-0-3 units
Covers advanced skills and knowledge in management and leadership, with special emphasis on enhancing cadets’ leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.
*S. Ott*

AS.311 Leadership Laboratory
Prereq: AS.212 or permission of instructor; Coreq: AS.301
U (Fall)
0-2-4 units
Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.311 is a continuation of AS.311.
*P. Dela Cruz*

AS.312 Leadership Laboratory
Prereq: AS.311 or permission of instructor; Coreq: AS.302
U (Spring)
0-2-4 units
Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.312 is a continuation of AS.311.
*P. Dela Cruz*

AS.401 National Security Affairs/Preparation for Active Duty
Prereq: AS.302 or permission of instructor; Coreq: AS.411
U (Fall)
3-0-9 units
Designed for college seniors, providing them the foundation to understand their role as military officers in American society. Includes an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level.
*S. Ott*

AS.402 National Security Affairs/Preparation for Active Duty
Prereq: AS.401 or permission of instructor; Coreq: AS.412
U (Spring)
3-0-3 units
Designed for college seniors, providing them the foundation to understand their role as military officers in American society. Includes an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. Provides information that prepares cadets for active duty.
*S. Ott*

AS.411 Leadership Laboratory
Prereq: AS.312 or permission of instructor; Coreq: AS.401
U (Fall)
0-2-4 units
Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.412 is a continuation of AS.411.
*P. Dela Cruz*
**AS.412 Leadership Laboratory**  
Prereq: AS.411 or permission of instructor; Coreq: AS.402  
U (Spring)  
0-2-4 units  
Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.412 is a continuation of AS.411.  
Sheryl A. E. Ott

**AS.511 Leadership Laboratory**  
Prereq: AS.412 or permission of instructor  
U (Fall)  
Not offered regularly; consult department  
0-2-4 units  
Consists of activities classified as advanced leadership experiences to continue developing critical leadership, managerial and communication skills along with maintaining an active, physical lifestyle needed in today's Air Force. AS.512 is a continuation of AS.511.  
P. Dela Cruz

**AS.512 Leadership Laboratory**  
Prereq: AS.511 or permission of instructor  
U (Spring)  
Not offered regularly; consult department  
0-2-4 units  
Consists of activities classified as advanced leadership experiences to continue developing critical leadership, managerial and communication skills along with maintaining an active, physical lifestyle needed in today's Air Force. AS.512 is a continuation of AS.511.  
P. Dela Cruz

**AS.811 Leadership Laboratory**  
Prereq: AS.411 or permission of instructor  
U (Fall)  
0-2-4 units  
Consists of activities classified as advanced leadership experiences to continue developing critical leadership, managerial and communication skills, along with maintaining an active, physical lifestyle needed in today's Air Force.

**AS.812 Leadership Laboratory**  
Prereq: Permission of instructor  
U (Spring)  
0-2-4 units  
Cadets develop critical leadership, managerial and communication skills while maintaining an active, physical lifestyle needed in today's Air Force. Consists of activities classified as advanced leadership experiences that involve mentoring the cadet corps, special projects, and event planning.  
P. Dela Cruz