

Aerospace Studies

The Aerospace Studies Department is affiliated with the Air Force Reserve Officer Training Corps (AFROTC) based at NJIT, and AFROTC Detachment 490 is committed to graduating outstanding officer leaders for the U.S. Air Force. Students enrolled in AFROTC take classes in aerospace history, leadership and management, national security, and physical fitness. Cadets can compete for excellent scholarship support and receive an exceptional education in preparation for the many career opportunities available while serving as a U.S. Air Force officer after graduation.

Cadets can learn to lead and achieve personal success in careers such as piloting, remote-piloting, engineering, physics, intelligence, space operations, communications, nursing, and many more fields. For more information about aerospace studies at NJIT, visit njit.edu/rotc (<http://njit.edu/rotc/>) or call 973-596-3626, and learn more about AFROTC at [afrotc.com](http://www.afrotc.com) (<http://www.afrotc.com>).

- Leadership and Aerospace Studies Minor (<http://catalog.njit.edu/undergraduate/science-liberal-arts/aerospace-studies/leadership-aerospace-studies-minor/>)

Aerospace Studies Courses

AS 111. Heritage and Values of the United States Air Force I. 1 credit, 1 contact hour (1;0;0).

A survey course designed to introduce students to the United States Air Force and provide an overview of the basic characteristics, missions, and organization of the Air Force. Air Force communications skills and leadership abilities are developed through group leadership problems and Leadership Laboratory (LLAB).

AS 112. Heritage and Values of the United States Air Force II. 1 credit, 1 contact hour (1;0;0).

Prerequisite: AS 111 or approval of the Professor of Aerospace Studies. A survey course that continues introducing students to the United States Air Force and providing an overview of the basic characteristics, missions, and organization of the Air Force. Air Force communications skills and leadership abilities are developed through group leadership problems and Leadership Laboratory (LLAB).

AS 221. Team & Leadership Fundamentals. 1 credit, 1 contact hour (1;0;0).

Prerequisite: AS 112 or approval of the Professor of Aerospace Studies. This course focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and motivate students to transition from AFROTC cadet to AFROTC officer candidate.

AS 222. Team and Leadership Fundamentals II. 1 credit, 1 contact hour (1;0;0).

Prerequisite: AS 221 or approval of the Professor of Aerospace Studies. This course continues to focus on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and in a team. The course will prepare cadets for their field training experience where they will be able to put the concepts into practice. The purpose is to instill a leadership mindset and motivate students to transition from AFROTC cadet to AFROTC officer candidate.

AS 301. Aerospace Independent Study. 3 credits, 3 contact hours (0;0;3).

AS 333. Leading People & Effective Com. 3 credits, 3 contact hours (3;0;0).

Prerequisite: AS 222 or approval of the Professor of Aerospace Studies. This course teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

AS 334. Leading Peo & Effective Com II. 3 credits, 3 contact hours (3;0;0).

Prerequisite: AS 333 or approval of the Professor of Aerospace Studies. This course continues to teach cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

AS 335. Leadership Lab. 0 credits, 0 contact hours (0;0;0).

AS 336. POC Leadership Lab. 0 credits, 0 contact hours (0;0;0).

AS 401. Aerospace Independent Study. 3 credits, 0 contact hours (0;0;0).

AS 443. National Security Affairs/Prep Act. 3 credits, 3 contact hours (3;0;0).

Prerequisite: AS 334 or approval of the Professor of Aerospace Studies. This course is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is 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.

AS 444. Preparation for Active Duty. 3 credits, 3 contact hours (0;0;3).

Prerequisite: AS 443 or approval of the Professor of Aerospace Studies. This course is designed for college seniors and continues to give them the foundation to understand their role as military officers in American society. It is 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.