

The School of Science and Engineering

ROTC

AEROSPACE STUDIES (AIR FORCE)

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The Air Force Reserve Officer Training Corps (ROTC) provides the opportunity to become an Air Force officer while completing a bachelors or masters degree. All coursework includes the study of the profession of arms, communication skills, leadership, and military/international security issues. Aerospace Studies 100- and 200-level courses meet an hour each week for one credit hour and comprise the General Military Course (GMC). The GMC courses are open to non-ROTC students and no obligation for military service is incurred. Three hundred and 400-level courses comprise the Professional Officer Course (POC) and meet for three hours each week. The POC courses are open only to ROTC cadets, or to students by specific department approval. In addition, all cadets attend two hours of leadership laboratory weekly.

AERO 101 Foundations of the U.S. Air Force I (1)

Staff. A survey course introducing students to the United States Air Force and Air Force Reserve Officer Training Corps. Topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, and an introduction to communication skills.

AERO 102 Foundations of the U.S. Air Force II (1)

Staff. A continuation survey course, introducing students to the United States Air Force and Air Force Reserve Officer Training Corps. Topics include: US Air Force installations, and professions;

introduction to flight; geographical awareness, U.S. defense policy; military balance; terrorism and a study of other branches of the Armed Forces; and communication skills.

AERO 201 The Evolution of USAF Air and Space Power I (1)

Staff. The course examines general aspects of air and space power through a historical perspective, from the first balloons and dirigibles to World War II. Historical examples are used to show the development of present day Air Force capabilities and missions. Also covered are doctrine, principles of war, and tenets of air and space power.

AERO 202 The Evolution of USAF Air and Space Power II (1)

Staff. The course examines general aspects of air and space power through a historical perspective, from World War II to the modern day conflicts, including terrorism and combat in Afghanistan. Historical examples are used to show the development of present day Air Force capabilities and missions. Also covered are doctrine, principles of war, and tenets of air and space power.

AERO 301 Leadership Studies I (3)

Staff. Prerequisite: approval of department. A study of leadership, followership, management fundamentals, personnel and evaluation systems, feedback and counseling, ethics, and communication skills required of Air Force officers. Case studies examine leadership and management situations as a means of demonstrating and exercising practical application of the concepts studied.

AERO 302 Leadership Studies II (3)

Staff. Prerequisite: approval of department. A continuation course on leadership, followership, management fundamentals, personnel and evaluation systems, feedback and counseling, ethics, and communication skills required of Air Force officers. Case studies examine leadership and management situations as a means of demonstrating and exercising practical application of the concepts studied.

AERO 401 National Security Affairs I (3)

Staff. Prerequisite: approval of department. The course examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, responsibilities of command, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Continued emphasis is given to refining communication skills.

AERO 402 National Security Affairs II (3)

Staff. Prerequisite: approval of department. A continuation course examining the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, responsibilities of command, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Continued emphasis is given to refining communication skills.