

Air Force Junior ROTC Course Schedule

Leadership & Aerospace Science I (Grade: 9-12)

The first year is a history course designed to acquaint the student with the historical development of flight and the role of the military in history. About three-quarters of the available classroom hours are spent reviewing the development of flight from ancient legends through the Persian Gulf War and beyond. Additionally, the role of the military throughout the history of the US is identified. Many of the hours dedicated to leadership studies relate directly to the academic subject matter, with study habits and time management. Additionally, wearing of the uniform, Air Force customs and courtesies and basic drills are introduced.

Leadership & Aerospace Science II (Grade: 10-12)

The second year is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust and weight. Students also learn basic navigation including map reading, course plotting and the effects of wind. The portion on the human requirements of flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration and protective equipment. Leadership hours stress communication skills and cadet corps activities. Written reports and speeches compliment academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Leadership & Aerospace Science III (Grade: 11-12)

The third year is a science course that examines our Earth, the moon and the planets, the latest advances in technology and continuing challenges of space and manned space flight. Issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. The manned space-flight section covers major milestones in the endeavor to land on the moon and to safely orbit humans and crafts in space for temporary and prolonged periods. It also covers the development of space stations and international laws for the use of and travel of space. Leadership III's emphasis is on managing others, stress and finances, citizenship and ethics. Third year cadets put these skills into practice by holding key leadership positions in the cadet corps.

Leadership & Aerospace Science IV (Grade: 12)

The cadets manage the entire corps during their fourth year in the JROTC program. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling and decision-making will be done by the cadets. They practice their communication, personal interaction, managerial and organizational skills. The objectives are: apply theories and techniques learned in previous leadership courses; develop leadership and management competency through participation; apply strengthened organizational skills through active incorporation; develop confidence in ability by exercising decision-making skills. apply Air Force standards, discipline and conduct.