

AFJROTC Curriculum

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. To support this mission, the Academic Affairs Directorate of the Jeanne M. Holm Center for Officer Accessions and Citizen Development (Holm Center) produces “world-class” academic materials for AFJROTC units worldwide. A comprehensive description of the academic program is contained in this *AFJROTC Curriculum Guide*. The guide is a relevant, informative tool designed to assist school leadership and AFJROTC instructors plan and implement their curriculum programs.

Each AFJROTC class consists of three components—aerospace science, leadership education, and a wellness program. Citizenship and character education, the heart of the curriculum program, is primarily embedded in the leadership education series of courses, while sense of service and education in science and technology related aerospace science is primarily found in the aerospace science series of courses. Thus, the typical high school student will spend two clock hours per week studying LE material, two more on AS subject matter and a fifth hour in wellness education, culminating in 120 -180 contact hours per year for a single AFJROTC course offered at the host school. The flexibility of our curriculum design should enable you to meet the needs of your programs and accomplish the requirements set forth by your district and/or state.

To reinforce what is taught in the classroom, students participate in many outside activities such as field trips to military bases, aerospace facilities and industries, museums, civilian airports and other areas related to aerospace education.

AFJROTC units also offer the opportunity to participate in co-curricular activities to include in drill and ceremonies, summer leadership schools, and honorary academic groups. Additionally, community service projects are a major part of the AFJROTC experience and help instill a sense of civic pride and citizenship.

Course Offerings

All units have the option to determine which aerospace science and leadership education courses to offer to first-, second-, third- and fourth-year cadets. The options to select from are:

Aerospace Science

- *AS 100: Milestones Aviation History Second Edition*
- *AS 200: The Science of Flight: A Gateway to New Horizons*
- *AS 220: Cultural Studies: An Introduction to Global Awareness*
- *AS 300: Exploring Space: The High Frontier*

- *AS 400: Management of the Cadet Corps*
- *AS 410: Survival: Survive · Return*
- *AS 500: Aviation Honors Ground School*
- *AS 510: AFJROTC Honors Senior Project*
- *AS STEM 1: Unmanned Aerial Vehicles (UAVs)/Quadcopters*
- *AS STEM 2: Model and Remote Control Aircraft*
- *AS STEM 3: Weather Station “Air Environment”*
- *AS STEM 4: Astronomy*

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- *AS STEM 5: Flight Simulator*
- *AS STEM 6: StellarXplorers*
- *AS STEM 7: CyberPatriot*
- *AS STEM 8: Introduction to CyberSecurity*
- *AS STEM 9: Cyber Literacy*
- *AS STEM 10: Introduction to Robotics*
- *AS STEM 11: Model Rocketry (Basic)*
- *AS STEM 12: Model Rocketry (Advanced)*

Leadership Education

- *LE 100: Traditions, Wellness, and Foundations of Citizenship*
- *LE 200: Communication, Awareness, and Leadership; Second Edition*
- *LE 300: Life Skills and Career Opportunities*
- *LE 400: Principles of Management*
- *Drill Curriculum (Cumulative)*
- *ELECTIVE1: Unlocking Your Potential (UYP)*
- *ELECTIVE2: National Endowment for Financial Literacy (NEFE)*
- *ELECTIVE3: Congressional Medal of Honor Foundation (MHF)*
- *ELECTIVE4: Pennsylvania Veterans Museum (PVM)*

- *ELECTIVE5: Veterans National Education Program (VNEP)*
- *ELECTIVE6: Cadet Guide/Handbook*
- *ELECTIVE7: College Options SAT/ACT Prep*