

ALTUS PUBLIC SCHOOLS
AFJROTC COURSES

COURSE NAME: AFROTC (AEROSPACE SCIENCE 100)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE: 27011.1

PREREQUISITES: None

GRADE LEVELS: 9, 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: *(A Journey into Aviation History)*

This course is comprised of Aerospace Science, Leadership Education and Wellness. The Aerospace Science portion of the course is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. Leadership education is an integral part of the instruction. During this first course the student is introduced to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program. The course includes instruction on both the cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender.

The course objectives are:

1. Know the historical facts and impacts of the early attempts to fly.
2. Know the major historical contributions to the development of flight.
3. Know the contributions of the US Air Force to modern aviation history.
4. Know the key events of space exploration history.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (AEROSPACE SCIENCE 200)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE: 2720121

PREREQUISITES: ROTC 1 (*SASI can waive*)

GRADE LEVELS: 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: (*The Science of Flight*)

This course is comprised of Aerospace Science, Leadership Education and Wellness. The Aerospace Science portion of the course is 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 flight environment, the student will be introduced to how that environment affects flight and the human body. Discussions will include the human circulatory system, the effects of acceleration and deceleration on the inner ear, and the equipment developed to protect the human body during flight. The student will be introduced to the forces of lift, drag, thrust, and weight and also learn basic navigation including map reading, course plotting, and the effects of wind. Cadets will also be introduced to the Group's Remotely Piloted Aircraft Program. The Leadership Education portion of the course stresses life after high school. Students will learn how to become more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender and complements the health and wellness portion of this course.

The course outcomes are:

1. Analyze the elements of flight.
2. Evaluate how atmospheric conditions affect flight.
3. Evaluate how flight affects the human body.

4. Analyze flight navigation and the purpose of aerial navigation aids.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (AEROSPACE SCIENCE 300)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE: 2720131

PREREQUISITES: ROTC 1

GRADE LEVELS: 10, 11, or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: *(The Exploration of Space)*

This course is comprised of Aerospace Science, Leadership Education and Wellness. The Aerospace Science portion of the course includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and the early ideas of the heavens, through the Renaissance, and on into modern astronomy. The course covers the human aspects of space flight, focusing on the human experience in space. The Leadership Education portion of the course provides exposure to the fundamentals of management. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lesson. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender and complements the health and wellness portion of this course.

The course objectives are:

1. Know the history of astronomy and the specific characteristics of the Earth, Moon, solar system and the planets.
2. Comprehend the big picture of space exploration, including the history of space flight, organizations doing the work in space, and overall space environment.

3. Comprehend the latest advances in space technology.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (AEROSPACE SCIENCE 220)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: ROTC 1

GRADE LEVELS: 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: (Cultural Studies: An Introduction to Global Awareness)

This course is comprised of Aerospace Science, Leadership Education and Wellness. The Aerospace Science portion of the course is a customized course about the world's cultures. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns and human rights. It looks at major events and significant figures that have shaped each region. Leadership education is an integral part of the instruction. This course stresses communication skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender.

The course objectives are:

1. Know how historical, geographic, religious, and ethic factors have shaped the 6 major regions of the world.
2. Know how economic, political, and social factors impact cultures.

3. Know how environmental resources influence global economic development.

COURSE NAME: AFROTC (AEROSPACE SCIENCE 410)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: ROTC 1 and one other upper division AS/LE course

GRADE LEVELS: , 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: (Survival: Survive and Return)

The *Survival* text is a synthesis of the basic survival information found in the Air Force Regulation 64-4 Survival Training. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents "GOOD TO KNOW" information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snow storm.

The course objectives are:

1. Know the elements of surviving.
2. Know how medicine procedures, clothing, and shelter can provide personal protection for a survivor in a survival situation.
3. Know the necessities for maintain life in a survival situation.
4. Know how to travel and prepare for recovery in a survival situation.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (Leadership Education 100)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: None

GRADE LEVELS: 9, 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: *LE-100 (Citizenship, Character, and Air Force Tradition)*

The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force Organizational structure; uniform wear; customs, courtesies and other military traditions; health and wellness, fitness, individual self- control and citizenship.

The course objectives are:

1. Know the importance of AFJROTC history, mission, purpose, goals and objectives.
2. Know military traditions and the importance of maintaining a high standard of dress and personal appearance.
3. Know the importance of attitude, discipline, and respect, and why values and ethics are important.
4. Know the importance of individual self-control, common courtesies and etiquette.
5. Know that an effective stress management program improves the quality of life.
6. Know why courtesies are rendered to the United States flag and the National Anthem.
7. Know why it is important to be a good democratic citizen and to be familiar with the different forms of government.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (Leadership Education 200)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: None

GRADE LEVELS: 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: **LE-200** (*Communication, Awareness, and Leadership*)

Leadership Education 200 stresses communication skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

The course objectives are:

After successfully completing the Leadership Education II: Communication, Awareness, and Leadership course the student will:

- 1. Apply the factors of effective communications.*
- 2. Know the ways in which personal awareness affects individual actions.*
- 3. Know the key elements of building and encouraging effective teams.*
- 4. Apply the key behaviors for becoming a credible and competent leader.*

ALTUS PUBLIC SCHOOLS
AFJROTC COURSES

COURSE NAME: AFROTC (Leadership Education 300)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: None

GRADE LEVELS: 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: LE-300: *(Life Skills and Career Opportunities)*

The course is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century.

Students will learn how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. They will learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving strategies for grocery shopping, apartment selection, and life with roommates.

They will learn how to select a school that is right for them; how to apply for admission to a vocational school or technical school, community college, or college/university and how to succeed in these learning environments. The text also provides information on working for the federal government. Finally, students will consider life skills for all Americans: civic responsibilities, such as volunteering, registering to vote, jury duty, and draft registration.

The course outcomes are:

1. Analyze the elements of successful financial management skills.
2. Create a plan to safeguard personal resources.
3. Analyze the requirements for applying to a college or university.
4. Evaluate the benefits for working for the Federal Government.
5. Create a plan for successful career development.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (Leadership Education 400)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: None

GRADE LEVELS: 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit

COURSE DESCRIPTION: **LE-400** (*Principles of Management*)

This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their AFJROTC tenure. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lessons.

The course objectives are:

After successfully completing the Leadership Education 400: Principles of Management course the student will:

1. Know the history and importance of management.
2. Know the techniques and skills involved in planning and decision making.
3. Know the importance of managing change, stress, and innovation.
4. Know the key elements of individual and group behavior, importance of the communication process, and the characteristics of a good leader.

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC Military Drill

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: None

GRADE LEVELS: 9, 10, 11 and 12

COURSE CREDIT: (One elective credit): Must be used in conjunction with AS and LE courses.

COURSE DESCRIPTION: (*Drill and Ceremonies*)

The drill and ceremony course provides an in-depth introduction to drill and ceremonies. The course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances, and protocol for civilian and military events and have the opportunity to personally learn drill. Though class will follow an established lesson plan, most of the work is to be hands-on. Classroom instruction is derived from AFM 36-2203, Army Field Manual 3-21.5, and the inter-service Cross-Index Drill Manual.

The course objectives are:

After successfully completing AFM 36-2203: Personnel Drill and Ceremonies, the student will:

- 1. Know the importance of drill and ceremonies.*
- 2. Know the commands and characteristics of the command voice.*
- 3. Apply and execute the concepts and principles of basic drill positions and movement.*
- 4. Know when and how to salute.*

**ALTUS PUBLIC SCHOOLS
AFJROTC COURSES**

COURSE NAME: AFROTC (WELLNESS PROGRAM)

CREDIT HOURS: 1

STATE COURSE CODE: 2720

LOCAL COURSE CODE:

PREREQUISITES: None

GRADE LEVELS: 9, 10, 11 or 12

COURSE CREDIT: Can qualify as an Elective credit: (Must be used with AS and LE course).

COURSE DESCRIPTION: *(WELLNESS PROGRAM)*

Wellness is an official and integral part of the Air Force Junior ROTC Program. It consists of 2 exercise programs focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The program is provided as a tool to help cadets develop individual training programs. The Wellness Program provides a list of 19 exercises with examples that may be utilized in a 36-week program modifiable to meet individual and district/state goals

The course objective for the Wellness Program is to:

Motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

The goals of the Wellness Program are to:

- 1. Create an individualized program based on national standards by age and gender.*
- 2. Identify areas of improvements for each cadet and provide guidance for improvement.*
- 3. Incorporate a physical training program to reach fitness goals.*