

STRANDS AND STANDARDS

AIR TRANSPORTATION



Course Description

Air Transportation will give students the knowledge to take and pass the FAA written exam and prepare them for flight. Some of the areas of study will include historical and present status of air transportation, air transportation regulations, administration for air transportation, and the different aircraft manufacturers as well as general aviation.

Intended Grade Level	11-12
Units of Credit	Minimum 0.5
Core Code	40.11.00.00.046
Concurrent Enrollment Core Code	40.11.00.13.046
Prerequisite	Private Pilot
Skill Certification Test Number	N/A
Test Weight	N/A
License Type	CTE and/or Secondary Education 6-12
Required Endorsement(s)	
Endorsement 1	Commercial Aircraft Pilot
Endorsement 2	N/A
Endorsement 3	N/A



STRAND 1

Students will be able to understand the historical and present status of air transportation.

Standard 1

The importance of air transportation.

Standard 2

Man's efforts to fly.

Standard 3

Development of the airplane.

Standard 4

The beginning of commercial air transportation.

STRAND 2

Students will be able to understand and explain regulation of air transportation.

Standard 1

The air carrier industry and federal legislation.

Standard 2

Department of Transportation.

Standard 3

The Federal Aviation Administration (FAA).

Standard 4

Aviation safety and the National Transportation Safety board.

Standard 5

Aviation accident investigation and safety performance.

Standard 6

Air carrier economic regulations.

Standard 7

Air carriers.

Standard 8

International air transportation law.

Standard 9

International air transportation organizations.

Standard 10

Non-US air carriers.

Standard 11

Commercial space transportation.

Performance Skill

Understand and explain regulation of air transportation.

- The air carrier industry and federal legislation.
- Department of Transportation.
- The Federal Aviation Administration (FAA).
- Aviation safety and the National Transportation Safety board.
- Aviation accident investigation and safety performance.
- Air carrier economic regulations.
- Air carriers.
- International air transportation law.
- International air transportation organizations.
- Non-US air carriers.
- Commercial space transportation.

STRAND 3

Students will understand and explain administration of air transportation.

Standard 1

Air carrier management and organization.

Standard 2

Air carrier marketing.

Standard 3

Air carrier accounting and financial analysis.

Standard 4

Legal aspects of air transportation.

Standard 5

Aviation industry performance and forecasts.

Performance Skill

Understand and explain administration of air transportation.

- Air carrier management and organization.
- Air carrier marketing.
- Air carrier accounting and financial analysis.
- Legal aspects of air transportation.
- Aviation industry performance and forecasts.

STRAND 4

Students will be able to understand and explain aircraft.

Standard 1

Aircraft performance.

Standard 2

The Boeing Company.

Standard 3

The McDonnell Douglas Corporation.

Standard 4

The Lockheed Martin Corporation.

Standard 5

Airbus Industries.

Standard 6

Future aircraft and space vehicles.

Standard 7

The general aviation industry.

Performance Skill

Understand and explain aircraft in general.

- Aircraft performance.
- The Boeing Company.
- The McDonnell Douglas Corporation.
- The Lockheed Martin Corporation.
- Airbus Industries.
- Future aircraft and space vehicles.
- The general aviation industry.

STRAND 5

Students will understand the importance of career readiness skills as it relates to the workplace and outlined in the SkillsUSA Framework – Level 2.

Standard 1

Understand and demonstrate reliability.

- Determine individual time management skills.
- Explore what's ethical in the workplace or school.
- Demonstrate awareness of government.
- Demonstrate awareness of professional organizations and trade unions.

Standard 2

Understand and demonstrate responsiveness.

- Define the customer.
- Recognize benefits of doing a community service project.
- Demonstrate social etiquette.
- Identify customer expectations.

Standard 3

Understand resiliency.

- Discover self-motivation techniques and establish short-term goals.
- Select characters of a positive image.
- Identify a mentor.

Standard 4

Understand and demonstrate workplace habits.

- Participate in a shadowing activity.
- Explore workplace ethics: codes of conduct.
- Recognize safety issues.
- Perform a skill demonstration.
- Exercise your right to know.

Standard 5

Understand and develop initiative.

- Develop personal financial skills.
- Develop a business plan.
- Investigate entrepreneurship opportunities.

Standard 6

Understand and demonstrate continuous improvement.

- Conduct a worker interview.
- Demonstrate evaluation skills.
- Examine ethics and values in the workplace.
- Develop a working relationship with a mentor.
- Construct a job search network.