

COURSE DESCRIPTION

The student must take Aviation I, II, and III to lead to certification as an Aviation Maintenance Technician and these can be taken through the Texarkana Area Vocational Center. Concurrent credit can be earned through SAU Tech at Camden or Texarkana College toward completion of a two-year degree.

The upper level courses required (Airframe and Powerplant) to complete this certification can be taken at Texarkana Community College or SAU Tech at Camden.

These courses will give students a broad range of knowledge in the aviation field and enable them to research, document, and comply with the FAA requirements: aircraft standards, aircraft science, mathematics, aircraft drawing, and basic electricity. Grades: 10th, 11th, 12th

EARNING POTENTIAL

The earnings of the aircraft technician vary with the experience and the rating held by the technician. Hourly rates for the technician are the most common; however some wages are at fixed rates. As an average the technician will work 40 to 48 hours a week. This will vary, however, with need. Many air carrier companies will offer higher salaries than with smaller air transport companies. In many instances, the company may be unionized. This means that the technician may be required to join the union if employed and salaries are negotiated by contracts.

Working conditions will vary with the type of job performed and the place the work is performed. The FAA regulates many of the working conditions.

COURSE OBJECTIVES

This course is a three year high school program. While the program is designed for student to enter their sophomore year, students may enter in the fall semester of any school year after they have completed 9th grade.

AVIATION MECHANICS I:

- Aviation History
- Overview of Job and Responsibilities
- Aviation Math
- Physics/Aerodynamics
- Aircraft Drawings

AVIATION MECHANICS II & III:

- Basic Electricity
- Weight and Balance
- Aircraft Structural Materials
- Aircraft Hardware
- Handtools and Measuring Devices
- Fluid Lines and Fittings
- Cleaning and Corrosion
- Nondestructive Testing
- Ground Handling and Servicing
- Maintenance Publications
- Maintenance Forms and Records
- Mechanic Privileges and Limitations

*A Place For Success
A Place For Learning
A Place For Growth*

TECHNICAL PROGRAMS

AVIATION MAINTENANCE
CERTIFIED WEB DESIGN
COLLISION REPAIR & PAINTING
COMPUTER ENGINEERING
COSMETOLOGY
CRIMINAL JUSTICE
DESKTOP PUBLISHING
GRAPHIC & PRINTING TECHNOLOGY
MARKETING - DECA
OUTDOOR POWER EQUIPMENT
TELEVISION PRODUCTION
WELDING TECHNOLOGY

Texarkana Area Vocational Center
Arkansas High School
1200 Jefferson Avenue
Texarkana, Arkansas
(870) 774-7641 Ext. 3350

Serving Southwest Arkansas



TEXARKANA AREA VOCATIONAL CENTER

AVIATION MAINTENANCE



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POSSIBILITIES



AVIATION MAINTENANCE

A career in aviation technology is not only a very challenging job, but also a closely regulated career. Federal law controls the professional attitude of an aircraft technician. The total action and practice of the technician is covered by the Federal Aviation Administration (FAA) Law.

The quality and efficiency of an aviation technician must be maintained at a high level. There is no room for error on the part of the technician. The lives of all plane crew and passengers are dependent upon the operation condition of the aircraft. It is the responsibility of the technician to insure that the operating condition of the aircraft is in top condition.

The FAA is responsible for all rules and regulations governing aircraft operation, maintenance and service, and the certification requirements for all aviation technicians. All aviation technicians must be certified by the FAA. The FAA issues certification to aircraft technicians with airframe rating, power plant rating, or combination of airframe and power plant.

While the majority of technicians work in the aviation field, a large number take the skills they have learned and work in other professional fields in light and heavy industry.

The employment outlook for aircraft technicians continues to excel with opportunities worldwide.



Preparing Lifelong Learners For A Changing World