



AEROSPACE MAINTENANCE

PROGRAM DESCRIPTION

This program is designed to prepare students for high paying jobs as aircraft maintenance technicians and support personnel. Students receive training in aircraft painting, sheet metal, electricity, nondestructive testing, welding, wood and fabric work, composite structures, landing gear repair, and aircraft taxiing. Certified by the Federal Aviation Administration, the program strictly adheres to FAA guidelines. The program provides training in an area identified as a demand occupation for both southwest Oklahoma as well as the state.

CERTIFICATIONS/EMPLOYMENT

After successful completion of the Aviation and Aerospace Technology Program, students are prepared to take the FAA national licensure exams. Students are eligible to take the airframe portion for their Airframe & Powerplant license. Employment opportunities are exceptional in both the private sector and in government service.

SALARY RANGE

Average starting salaries range from \$15.00 to \$18.00

HELPFUL ATTRIBUTES

General math, Algebra I, General Science or equivalent courses

Reading and math skills at the 10th grade level or above

Average or better mechanical aptitude

Ability to comprehend and apply basic math and physics concepts

Ability to withstand physical labor which include standing, heavy lifting, and working in confined spaces

Visual acuity

AIRFRAME MECHANIC

1200 HOURS

GENERAL I

150 Hours

AMT 1005	Safety.....	12
AMT 1015	Math.....	30
AMT 1025	Physics.....	42
AMT 1035	Ground Handling and Service.....	30
AMT 1045	Weight and Balance.....	36

GENERAL II

150 Hours

AMT 1055	Structural Materials and Processing.....	30
AMT 1065	Aircraft Cleaning and Corrosion.....	21
AMT 1075	Aircraft Hardware and Precision Measurement Instruments.....	27
AMT 1085	Blueprints and Drawings.....	24
AMT 1095	Hand and Power Tools.....	24
AMT 1105	Fluid Line and Fittings.....	24

GENERAL AVIATION & POWER PLANT ELECTRONICS I

150 Hours

AMT 1115	Federal Aviation Regulations, Publications, and Records.....	45
AMT 1125	Basic Electricity and DC Circuits.....	60
AMT 1135	Aircraft Battery Service and Inspection.....	30
AMT 1145	AC Electrical Circuits.....	45
AMT 1155	Solid State Circuits.....	45

GENERAL AVIATION & POWER PLANT ELECTRONICS II

150 Hours

AMT 2035	Aircraft Generators.....	75
AMT 2045	Aircraft Motors.....	45
AMT 2055	Aircraft Wiring Practice.....	60

AIRFRAME I

150 Hours

AMT 4005	Airframe Structures, Aerodynamics, and Rigging.....	69
AMT 4015	Aircraft Welding.....	30
AMT 4025	Aircraft Finishes and Fabric Covering.....	51

AIRFRAME II

150 Hours

AMT 4035	Sheet Metal Structures.....	108
AMT 4045	Bonded Structures, Laminates, and Plastics.....	42

AIRFRAME III

150 Hours

AMT 4055	Hydraulics and Pneumatics.....	78
AMT 4065	Landing Gear.....	36
AMT 4075	Aircraft Atmosphere and Climate Control Systems.....	36

AIRFRAME IV

150 Hours

AMT 4085	Fuel, Ice and Rain Control/Fire Detection, Protection, and Extinguishing.....	36
AMT 4095	Instruments/Pilot Position and Warning and Communication/Navigation System.....	36
AMT 4105	Aircraft Inspections.....	78

CHANGING LIVES

ONE CAREER AT A TIME



ASSESSMENT

Adult: TABE and COPSsystem
 High School: PLAN and COPSsystem
 Cost: \$5.00 per test

*TABE will be waived based on college transcripts.

ENROLLMENT OPTIONS

Adult and high school students
 Full-time: 8:00 to 3:00
 Part-time: 8:00 to 11:00
 Part-time: 12:00 to 3:00

TUITION RATES

In district: \$2.10 per hour
 Out of district: \$4.20 per hour

PROGRAM ACCREDITATIONS

Federal Aviation Administration
 Oklahoma State Board of Education
 Oklahoma Board of Career and Technology Education

CONTACT INFORMATION:

Southwest Technology Center
 711 West Tamarack
 Altus, OK 73521
 580.477.2250
www.swtc.org

Brenda Krieger
 Director of Student Services
 580.477.2250 ext 240
bkrieger@swtc.org

Roy Smith
 Program Coordinator
 Aerospace Maintenance
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APPRENTICESHIP

Eligible students may qualify to participate in an apprenticeship program with the **A-TEAM**, Civilian Aircraft Maintenance, on Altus Air Force Base. Acceptance into the apprenticeship program is based on grades, attendance and attitude. Final acceptance into the program will be dependent upon the ability to obtain security clearance and passing a required drug screening. During the apprenticeship, students obtain work-place experience and earn approximately \$10.00 per hour.

ATTENDANCE

The FAA, Federal Aviation Administration, mandates the Aviation and Aerospace Program's attendance policy. **All** time missed from class **must** be made up hour for hour. **There are no exceptions!** Example: If a student misses a half-day, 3 hours, of class, he/she must make arrangements with the instructor to stay after class to make up three hours of seat time.

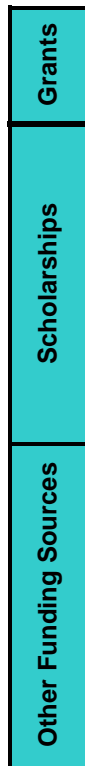
COLLEGE CREDIT-CONCURRENT ENROLLMENT

Students can receive up to **34** credit hours towards an Associate of Applied Science in Aviation through our Cooperative Alliance with [Western Oklahoma State College](#).

Upon completion of the SWTC aerospace maintenance technology program, students who choose to further their education will need approximately 30 more college hours to complete an Associate of Applied Science degree.

FINANCIAL AID

To qualify for financial aid, students will need to complete a "Free Application for Federal Student Aid" form. Application forms may be obtained from the Financial Aid Officer, Martha Wooldridge. Please have documentation of high school graduation or GED completion.



PELL
 OTAG

SWTC Foundation Scholarship
 ODCTE Otha Grimes Scholarship
 ODCTE McCrabb Scholarship
 P.E.O. Program for Continuing Education
 OAMCTE Scholarship for Minority Students
 Lee Office Scholarship
 Breakfast Club Scholarship
 Oklahoma Business and Professional Women's Foundations Scholarship
 Tribal Scholarships
 OHLAP

WIA Demand Labor Force Careers-OK Employment Security Commission Office
 WIA-Youth Program
 Department of Human Services-TANF
 Department of Rehabilitative Services
 Veteran's Benefits
 Oklahoma Rural Organization-OK Employment Security
 Air Force Aid Society