

Aviation Maintenance Technology

Description

Tulsa Tech's Aerospace Technician Career Major will prepare you to begin an exciting career in the Aerospace industry as an aircraft mechanic, aircraft electronics technician, or aerospace technician with opportunities to manufacture, assemble, service, test, operate, maintain, or repair systems that are associated with expendable and reusable launch vehicles, payloads, related laboratories, and ground support equipment.

Housed in a cutting-edge facility designed specifically for aviation instruction, the Aerospace Technician career major is approved by the Federal Aviation Administration (FAA) under Title 14 of the Code of Federal Regulations (14 CFRs) Part 147 to offer training leading to certification as an Airframe and Powerplant technician.

The FAA-approved portion of the program features three basic parts: (1) General, (2) Airframe, and (3) Powerplant. Additionally, earning the Airframe and Powerplant certifications qualifies the student to take the SpaceTec Core certification, Certified Aerospace Technician (CAT), which is nationally recognized with the U.S. space industry.

College Credit

College credit may be available through TCC, RSU, or OSU-Institute of Technology. For more details call the college relations office at 918-828-5205. All college credit is awarded by the college/university.

Credential/Industry Certifications

The following additional industry certifications are also available:

- SpaceTec Certification (Certified Aerospace Technician)
- Aircraft Electronic Technician (AET)
- Aircraft Mechanic License - FAA
- Airframe and Powerplant Mechanic Certificates

Career Majors/Courses

General Aviation*

Courses

Math, Physics & Aerodynamics
Ground Handling & Servicing
Weight and Balance
Materials, Processes, Corrosion Control, Non Destructive Testing
Hardware/Precision Measure
Blueprints and Drawings
Hand and Power Tools
Fluid Lines and Fittings
FAR's & Publications
Basic Electricity & Battery Service
AC Electrical Circuits
Solid State Circuits
Aircraft Generators & Motors
Wiring Practices

Airframe

Courses

(Required for certification: General Aviation)
Structures & Rigging
Welding
Sheet Metal Structures
Composites
Finishes & Coverings
Hydraulic/Pneumatic/Landing Gear
Fuel/Fire/Ice/Rain Systems
Pressurization & Climate Control
Instruments/Communication/Navigation
Aircraft Inspections

Powerplant

Courses

(Required for certification: General Aviation)
Reciprocating Ignition System
Reciprocating Fuel & Metering
Reciprocating Engine Fundamentals
Reciprocating Engine Overhaul
Removal/Install/Run/Inspect
Propellers/Prop Governing
Turbine Engine Fundamentals & Systems
Turbine Engine Overhaul
Turbine Engine Removal/Installation/Operate
Turbine Engine Inspection/Troubleshooting

Aerospace Technician

Courses

Generals
Airframe
Powerplant

Aircraft Electronics Technician

Courses

Same as General Aviation curriculum

**Generals is an FAA requirement for either Airframe or Powerplant*

Area Salary

For information concerning working conditions, physical requirements, employment and job outlook please refer to the Occupational Outlook Handbook (OOH), 2010-11 Edition at <http://www.bls.gov/oco/>.

Salary information can be found at The Occupational Information Network (O*NET) Resource Center at <http://www.onetonline.org/>.
O*NET-SOC Code: 49-3011.00

Who Can Attend?

High school students / Adults

Tuition/Fees/Books

- Tuition: \$5,775*
- Lab & Required Fees: \$650*
- Additional Required Costs: \$2,171.50**
- Optional Fees: \$85

**High school students living in the Tulsa Tech school district are not charged tuition, fees & books.*

***Additional required costs: books, equipment, tools, uniforms & supplies.*

Scheduling Information

H.S. / 2 school years:

August - May

H.S. sessions:

7:45 - 10:45 A.M. / 11:50 - 2:50 P.M.

Adults / 6 months Day sessions:

Day: 7:30 A.M. - 2:20 P.M.

Adults / 9 months Evening sessions:

Evening: 5:30 - 10:30 P.M.

Check with Admissions Office at 918-828-5260 for start dates.

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Employment Opportunities

Tulsa Tech's Career Placement Services team builds partnerships with Tulsa area businesses & industry to create opportunities for work-based experiences and job placement. Job search assistance is provided before and after graduation. Services include with employment information, resume building, refining interview skills and life-time access to the Tulsa Tech Job Connect database. Call Career Placement Services at 918-828-5270 or visit www.tulsatech.edu/jobconnect / email jobconnect@tulsatech.edu.

2010-2011 year completion & placement data per Oklahoma Department of Career and Technical Education guidelines:

- Total Enrolled: 222
 - Completion: 34%
 - Completed on-time: 92%
 - Job Placement: 84%
 - Returning Students to 2nd Year: 53%
 - OPE ID: 005311 / CIP: 47.0602
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Application Process

Apply ON-LINE at www.tulsatech.edu/apply. Applications can also be obtained in the counseling offices on any of the campuses; at the Career Services Center located on the Memorial Complex; or by calling 918-828-5200.

Financial Aid

Financial assistance is available through several options at Tulsa Tech. For the most up-to-date information, call 918-828-5280 or visit www.tulsatech.edu. Some career majors are eligible for federal financial aid. To apply, go to: www.fafsa.ed.gov.

Campus Location

Riverside Campus
801 East 91st Street
Tulsa, OK 74132-4008
(918) 828-4000
FAX (918) 828-4009
