



Toledo Public Schools

Career Technology

Agricultural, Construction & Engineering Technologies

Aviation Technician Program

Where Your Future Takes Flight!

The Toledo Public Schools' Aviation Technician Program is a three-year educational experience that prepares high school students for a career in the aviation industry.



Program Description

This three-year program is certified by the Federal Aviation Administration and requires at least 1,900 hours at the Toledo Public Schools' Aviation Center at Toledo Express Airport. Graduates can take the FAA tests for airframe and power plant certificate, with passage enabling them to work on any plane in the United States, even commercial aircraft.

In addition to earning a high school diploma, graduates are qualified to take the Aviation Technician certification exams given by the Federal Aviation Administration. Graduates of the program are qualified to enter the aviation industry as full-time aviation technician after certification.

Our students participate in the repair and maintenance of active aircraft and complete practical projects with supervision from qualified instructors under curriculum regulated by the Federal Aviation Administration.

Approximately four hours of each school day is spent at the Aviation Center during sophomore, junior and senior years.

Program Study

Sophomore Year – 3 credits

- Basic Electricity
- Aircraft Drawing
- Weight & Balance
- Fluid Lines & Fittings
- Basic Physics
- Maintenance Publication

Junior Year – 5 credits

- Wood Structures
- Aircraft Covering & Finishes
- Sheet Metal & Non-metallic Structures
- Basic Welding
- Assembly & Rigging
- Airframe Inspection
- Aircraft Landing Gear
- Hydraulic & Pneumatic Systems
- Cabin Atmosphere
- Aircraft Instruments
- Aircraft Fuel & Electrical Systems
- Position & Warning Systems
- Fire Protection Systems

Senior Year – 5 credits

- Engine Instrument Systems
- Engine Fire Protection Systems
- Engine Electrical Systems
- Lubrication Systems
- Ignition & Starting Systems
- Fuel Metering Systems
- Engine Fuel Systems
- Induction & Engine Airflow
- Engine Cooling Systems
- Engine Exhaust Systems
- Propellers
- Turbine Powered APU



Aviation Technician Program



Other Agricultural, Construction & Engineering Technology Programs:

- Automotive Collision Technology
- Automotive Technology
- CADD Technician
- Carpentry
- Construction Careers Academy
- Electrical Construction Residential, Commercial & Industrial
- Electronics
- Engineering Design/CAD
- Floriculture
- Heating & Air Conditioning (HVAC/R)
- Major Appliance Technician
- Natural Resources
- Precision Machining Technology
- Residential Remodeling
- Small Animal Management
- Telecommunications
- Turf & Landscape Management

Did You Know?

- You can earn your FAA Certification and Associates Degree while you are in high school.
- You can earn 30 credit hours at Owen's Community College through the Aviation Technician Program.
- You can earn \$15-\$35 per hour starting pay as an aviation technician.
- You can continue to participate in athletics and other extracurricular activities while enrolled in the program.
- This program is open to any student in Toledo and the surrounding areas including homeschoolers.
- Helpful, but not required, courses for the Aviation Technician Program are English, Math, Science and Transportation Technology.

Dual Enrollment

The Aviation Technician Program offers dual enrollment which allows students to earn an associates degree while still in high school. In cooperation with the University of New Mexico, Aviation Technician Program credit hours are completely transferable. With an additional 12 credits or 4, 3-credit hour classes, which can be completed while the student is still attending high school, a graduate of the Aviation Technician Program can have both a high school diploma and Associate Degree in Applied Science (A.A.S.).

Articulation Agreement

Toledo Public Schools currently has several articulation agreements which link the classes taken in Toledo Public Schools' Career Technology with courses offered at state supported two-year colleges. The intent of the articulation plan is to recognize student achievement in career programs by providing advanced placement at the college level. Students in career-related classes may earn advanced credit for courses at the two-year college, which reduces the number of credit hours needed to achieve a degree.

Career Opportunities

- Commercial or Private Pilot
- Aviation Technician
- Aviation Maintenance Management
- Avionics Technician
- FAA Inspector
- Flight Simulator Technician
- Aviation Dispatcher
- Aviation Line Service
- Air Traffic Controller
- Wind Power Generator Technician

Activities

As a Career Technology student, you will experience many industry related opportunities, which include field trips and job shadowing. Students involved in Career Tech will be a member of SkillsUSA, a student-oriented organization designed to expand your citizenship and leadership skills. As a member, you will be encouraged to participate in competitive events at the local, district, state, and national levels in both leadership and occupational skills.

In addition to SkillsUSA, you may participate in student activities at your home high school such as, music, sports and club activities.



For more information or to apply please contact:

The Director of Agriculture, Construction & Engineering Technologies at
419-578-4980
 or

The Career Technology Department at
419-671-8303

or visit www.TPS.org