

Enroll in Aircraft Structural Repair Today

Aircraft Structural Repair is offered at Catalina High Magnet School.

Talk with your counselor and CTE teacher to determine what high school courses you need to take. You may earn Pima Community College credits for these courses as well.



Contact your counselor today!

Find more information about Aircraft Structural Repair programs at:

<http://pima.edu>
<http://uofa.edu>
<http://asu.edu>
<http://nau.edu>



Career and Technical Education

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*Career and Technical
Education*

Aircraft Structural Repair



Tucson Unified School District

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TUSD'S Aircraft Structural Repair Program

The Aircraft Structural Repair program is designed to prepare students for employment in aviation maintenance and the service of aviation systems and to enter apprenticeship/certification programs that meet Federal Aviation Administration requirements.

Topics covered include fundamentals of aircraft systems and performance, meteorology, navigation, flight physiology, communications systems, aviation history, space and rockets and careers in aviation and aerospace. Job-related skills and academic applications are integrated in hands-on-lab experiments, model building, computer simulations, field trips and the possibility of real flight experiences.

In the second year, students study basic processes of aircraft maintenance and repair of engines, aircraft ignition, starting and fuel systems. Other job related skills include machine cutting, precision measuring, safety management, applied aircraft mathematics and blueprint reading.

Career Opportunities in Aircraft Structural Repair

A growing population and rising incomes are expected to stimulate the demand for airline transportation and therefore, the number of aircraft. The aviation industry will supply many opportunities for employees depending on experience and education.

- Aircraft Pilot
- Flight Engineer
- Management Support Occupations
- Communication Manager
- Transportation Manager
- Utilities Operation Manager
- Aircraft Mechanic
- Service Technician
- Flight Attendant
- Machinery Mechanic, Installer, Repairer
- Precision Production Occupations
- Electrician
- Electronic Equipment Repairer
- Operator, Fabricator, Laborer
- Reservation and Transportation Ticket Agent
- Travel Clerk
- Material Recording, Scheduling, Dispatching and Distributing Operations
- General Office Clerk

Skills Required For Aircraft Structural Repair Careers



Skills in computer science are important for individuals interested in a career in aviation.

Courses in mathematics, physics, chemistry, electronics, computer science and drafting are helpful to individuals interested in careers in the aviation industry. Many of the principles in these subjects are involved in the operation of aircraft and knowledge of these principles is often necessary to diagnose, make repairs and understand the overall operation of aircraft. Courses that develop writing and verbal communication skills are also important.

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Source: *Occupational Outlook Handbook*, ONET, <http://www.bls.gov/oco/home.htm>, Bureau of Labor Statistics, U. S. Department of Labor.

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