

AIRCRAFT MECHANICS 47.0600.50

Program Description, Industry Credentials, Coherent Sequence, and Teacher Certification

PROGRAM DESCRIPTION

The **Aircraft Mechanics** instructional program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all aircraft components. The **Aircraft Mechanics** program includes instruction in turbine layout and fabrication of sheet metal and other materials into structural members, parts and fittings, and replacement of damaged or worn parts such as control cables and hydraulic units.

The **Aircraft Mechanics** program is delivered as a coherent sequence of courses designed to offer students knowledge and skills that meet the needs of the workplace. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. **Aircraft Mechanics** students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

The **Aircraft Mechanics** instructional program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations: Private Pilot, Copilots, and Unmanned Aircraft

INDUSTRY CREDENTIALS

The following credentials have been approved for the A-F CCR and are CTED eligible for the **Aircraft Mechanics** instructional program:

- Federal Aviation Administration (FAA) - Airframe Mechanic
- Federal Aviation Administration (FAA) - Powerplant Mechanic
- National Coalition of Certification Centers (NC3) - Mechanical and Electrical Torque
- National Coalition of Certification Centers (NC3) - Multimeter

COHERENT SEQUENCE

47.0600.14 - Aircraft Mechanics I, **and**

47.0600.50 – Aircraft Mechanics II, **and**

47.0600.55 - Aircraft Mechanics III, **and program may elect to add:**

47.0600.60 - Aircraft Mechanics IV, **or**

47.0600.73 - Aircraft Mechanics – DCE (Diversified Cooperative Education) **or**

47.0600.78 - Aircraft Mechanics - Internship, **or**

47.0600.83 - Aircraft Mechanics – Cooperative Education

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TEACHER CERTIFICATION REQUIREMENTS

The instructor must be ADE/CTE certified in one of the following Certificates: PCTIET, SCTIET, or SSCTEIT.

Note:

- Aircraft Mechanics 47.0600.73 may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN).
- Aircraft Mechanics 47.0600.78 is not required to have a Cooperative Education Endorsement (CEN).
- Aircraft Mechanics 47.0600.83 is required to have a Cooperative Education Endorsement (CEN).

CERTIFICATE TYPES

PCTIET	Provisional Career and Technical Education Industrial and Emerging Technologies
SCTIET	Standard Career and Technical Education Industrial and Emerging Technologies
SSCTEIT	Standard Specialized Career and Technical Education Industrial and Emerging Technologies