

AIR TRANSPORTATION 49.0100.00

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

PROGRAM DESCRIPTION

The **Air Transportation** instructional program prepares individuals to apply technical knowledge and skills to the flying and/or navigation of fixed wing aircraft. This program includes instruction in principles of aircraft design and performance, aircraft flight systems and controls, flight crew operations and procedures, radio communications, navigation procedures and systems, airways safety and traffic regulations, and governmental rules and regulations pertaining to piloting aircraft.

The **Air Transportation** 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. **Air Transportation** students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

The **Air Transportation** 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 **Air Transportation** instructional program:

- Federal Aviation Administration (FAA) - Control Tower Operator
- Federal Aviation Administration (FAA) - Fundamentals of Instrumentation
- Federal Aviation Administration (FAA) - Ground Instruction Basic
- Federal Aviation Administration (FAA) - Ground School
- Federal Aviation Administration (FAA) - Instrument Pilot
- Federal Aviation Administration (FAA) - Private Pilot
- Federal Aviation Administration (FAA) - Remote Pilot Certificate (Unmanned Aircraft Systems)

COHERENT SEQUENCE

49.0100.10 - Air Transportation I, **and**

49.0100.20 – Air Transportation II, **and**

49.0100.30 - Air Transportation III, **and program may elect to add:**

49.0100.40 - Air Transportation IV, **or**

49.0100.70 - Air Transportation – DCE (Diversified Cooperative Education) **or**

49.0100.75 - Air Transportation - Internship, **or**

49.0100.80 - Air Transportation – Cooperative Education

CTE Handbook (updated Spring 2019)

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TEACHER CERTIFICATION REQUIREMENTS

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

Note:

- Air Transportation 49.0100.70 may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN).
- Air Transportation 49.0100.75 is not required to have a Cooperative Education Endorsement (CEN).
- Air Transportation 49.0100.80 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
SSCTEIET	Standard Specialized Career and Technical Education Industrial and Emerging Technologies