

AVIATION INSTITUTE
Aircraft Airframe Mechanics Vocational Certificate Major Code 5272

Program Description

The Airframe Maintenance certificate program leads to a Federal Aviation Administration (FAA) airframe license. The course of study complies with FAR 147 and the program is FAA certified. A completion of the program is contingent upon student satisfying the requirements of the test of Adult Basic Education (TABE) in math, reading, and language. The TABE test, if required, must be taken within six weeks of enrollment into the general portion of the program. These courses are offered in 400 hour blocks and require an interview with the Aviation Admissions Coordinator or the Aviation Maintenance Associate Dean prior to enrollment.

Related Programs

Professional Pilot Technology Associate in Science Major Code 2107
 Air Traffic Control Associate in Applied Science Major Code A039
 Aviation Operations Associate in Science Major Code 2105 (2105E)§
 Airport Operations Management Associate in Science Major Code 21051§
 Airport Management Certificate Major Code 6304
 Aviation Maintenance Management Associate in Science Major Code 2204
 Aviation Maintenance Management Associate in Applied Science Major Code A005

Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273

Avionics Vocational Certificate Major Code 5299

§ Students can earn a degree from 2105 (2105E) or 21051, but not from both of these programs.

Entrance Requirements

- HS Diploma or GED
- PERT‡
- TABE‡

‡ The PERT test places students into preparatory level reading, writing and math courses designed to prepare them for college coursework. The PERT test may be replaced by other test or coursework: see the College catalog for more details. All preparatory courses must be completed in order to graduate.

‡ The TABE test, or Test of Adult Basic Education, is used to demonstrate the level of basic education in English and Math require by the program. The TABE test must be (first) taken prior to the end of the sixth week of the program and student must successfully complete the TABE test in order to graduate. See the College catalog for more details.

BLOCK I (GENERAL)

AMT 0070C	Applied Mathematics	21.00
AMT 0090C	Basic Physics	26.25
AMT 0010C	Aircraft Drawings	21.00
AMT 0050C	Ground Operations and Servicing	31.50
AMT 0040C	Materials and Processes	84.00
AMT 0030C	Fluid Lines and Fittings	26.25
AMT 0081C	FARs, Forms, Privilege	42.00
AMT 0020C	Weight and Balance	27.25
AMT 0060C	Corrosion Control	26.25
AMT 0001C	Basic Electricity	94.50
Total Clock Hours		400

BLOCK 2 (AIRFRAME I)

AMT 0130C	Sheet Metal and Non- Metallic	157
AMT 0110C	Wood Structures	11
AMT 0115C	Aircraft Covering	12
AMT 0120C	Aircraft Finishes	30
AMT 0140C	Welding	40
AMT 0155C	Assembly and Rigging	65
AMT 0200C	Landing Gear Systems	85
Total Clock Hours		400

BLOCK 3 (AIRFRAME II)

AMT 0160C	Airframe Inspection	20
AMT 0210C	Hydraulic Pneumatics Systems	75
AMT 0220C	Cabin Atmosphere Control Systems	50
AMT 0230C	Aircraft Instrument Systems	25
AMT 0240C	Comm/Nav. Systems	30
AMT 0250C	Aircraft Fuel Systems	40
AMT 0260C	Aircraft Electrical Systems	100
AMT 0270C	Position and Warning	30
AMT 0285C	Ice, Rain and Fire Protection	30
Total Clock Hours		400

Total Program Clock Hour 1,200

It is strongly recommended that students see an academic advisor or counselor every term.