

Aircraft Maintenance Technology

Aircraft Maintenance Technology Associate in Applied Science

Mission Statement

The program provides students with the technical, mechanical, and academic skills required to become certified aircraft maintenance technicians.

Entrance Requirements:

Acceptable placement test score(s); plus high school diploma or equivalent; no physical or mental disabilities that would endanger the student or others, i.e., fainting, seizures, dizziness, impaired hearing or vision, etc.

Type of Program:

Day or evening

Professional Credentials:

FAA Airframe and Powerplant Technician Certification (subject to passing exam)

Employment Opportunities:

General aviation, commercial airlines, corporate aviation, aircraft manufacturers, contract repair facilities, aviation-related maintenance activities

- This program, offered at the South Carolina Technology and Aviation Center (formerly Donaldson Center), is approved by the Federal Aviation Administration as well as the Veterans Administration. The program provides students with the technical, mechanical and academic skills required to become aircraft maintenance technicians. Successful completion qualifies students to take the FAA airframe and powerplant certification exams.
- Articulation for a bachelor's degree (Aviation Maintenance Management) is offered through Embry-Riddle Aeronautical University.

Recommended Program Schedule

First Semester - Fall

ACM	101	General Regulations	2.0
ACM	102	Aviation Sciences	3.0
ACM	105	Basic Aircraft Electricity	4.0
ACM	110	Aircraft Drawings	1.0
ACM	115	Ground Handling and Servicing	3.0
ACM	120	Materials and Corrosion Control	4.0

Second Semester - Spring

ACM	125	Wood Structures, Coverings, and Finishes	2.0
ACM	130	Sheet Metal Layout and Repair	4.0
ACM	140	Bonded Structures and Welding	3.0
ACM	150	Assembly and Rigging	3.0
CPT	170	Microcomputer Applications	3.0

Third Semester - Summer

ACM	155	Aircraft Environmental Systems	3.0
ACM	165	Hydraulic and Pneumatic Systems	3.0
ACM	167	Landing Gear Systems	3.0
ACM	170	Aircraft Electrical Systems	4.0

Fourth Semester - Fall

ACM	160	Utility and Warning Systems	3.0
ACM	172	Aircraft Fuel Systems	1.0
ACM	174	Airframe Inspection	1.0
ACM	205	Ignition and Starting Systems	3.0
ACM	224	Turbine Engine Overhaul	4.0
		Social Sciences Elective*	3.0

Fifth Semester - Spring

ACM	201	Lubricating Systems	2.0
ACM	210	Reciprocating Engine Overhaul	4.0
ACM	234	Propellers and Components	4.0
ACM	240	Engine Electrical, Instrumentation, and Fire Protection	3.0
ENG	101	English Composition I*	3.0

Sixth Semester - Summer

ACM	226	Engine Inspection	1.0
ACM	245	Powerplant Fuel Systems	4.0
ACM	250	Induction, Cooling, and Exhaust	3.0
SPC	205	Public Speaking*	3.0
MAT	170	Algebra, Geometry, & Trigonometry I*/+ or	3.0
MAT	155	Contemporary Mathematics* (or higher math) Humanities Elective*	3.0

Total Required Credit Hours:**93.0**

*General education course (may be taken in any semester)

+Recommend MAT 110 if placement allows.

Note: See your advisor for recommended evening schedules.

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.