

AIRCRAFT MAINTENANCE TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE

Program Description

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.

Embedded Certificate

This program contains one or more embedded certificates which will automatically be awarded if the certificate requirements are met unless the student completes and submits the Program of Study Change Form (https://www.gvltec.edu/admissions_aid/student_forms/) requesting to opt out of the embedded certificate.

Mission Statement

To provide students with the technical, mechanical and academic skills required to become FAA-certified aircraft maintenance technicians. Providing Greenville and surrounding counties, FAA-certified Airframe and Powerplant Technicians.

Entrance Requirements

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.

This program requires a minimum grade of "C" in all ACM courses.

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

Transfer Option

Articulation for a bachelor's degree (Aviation Maintenance Management) is offered through Embry-Riddle Aeronautical University.

Visit our web page at <https://www.gvltec.edu/amt/>.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester.

Please see your advisor to map out your own personalized progression toward graduation.

Note: Please contact your advisor for recommended evening schedules.

First Semester		Hours
ACM 101	General Regulations	2
ACM 102	Aviation Sciences	3
ACM 105	Basic Aircraft Electricity	4
ACM 110	Aircraft Drawings	1
ACM 115	Ground Handling & Servicing	3
ACM 120	Materials & Corrosion Control	4
Total Semester Hours		17
Second Semester		
ACM 125	Wood Structure, Covering & Finishes	2
ACM 130	Sheet Metal Layout & Repair	4
ACM 140	Bonded Structures & Welding	3
ACM 150	Assembly and Rigging	3
COL 105	Freshman Seminar	3
Total Semester Hours		15
Third Semester		
ACM 155	Aircraft Environmental Systems	3
ACM 165	Hydraulic & Pneumatic Systems	3
ACM 167	Landing Gear Systems	3
ACM 170	Aircraft Electrical Systems	4
Total Semester Hours		13
Fourth Semester		
ACM 160	Utility & Warning Systems	3
ACM 172	Aircraft Fuel Systems	1
ACM 174	Airframe Inspection	1
ACM 205	Ignition & Starting Systems	3
ACM 224	Turbine Engine Overhaul	4
Social Sciences Elective		3
Total Semester Hours		15
Fifth Semester		
ACM 201	Lubricating Systems	2
ACM 210	Reciprocating Engine Overhaul	4
ACM 234	Propellers & Components	4
ACM 240	Engine Electrical, Instrument & Fire Prot	3
ENG 101	English Composition I	3
Total Semester Hours		16
Sixth Semester		
ACM 226	Engine Inspection	1
ACM 245	Powerplant Fuel Systems	4
ACM 250	Induction, Cooling & Exhaust	3
Select one of the following:		3
MAT 170	Algebra, Geometry, and Trigonometry I ¹	
MAT 155	Contemporary Mathematics	
Higher Math		
SPC 205	Public Speaking	3

Humanities Elective	3
Total Semester Hours	17
Total Required Credit Hours	93

¹ Recommend MAT 110 College Algebra if placement allows.