

Airframe and Powerplant Technician (APC)

The Applied Academic Certificate, Airframe & Powerplant Technician, is designed to prepare men and women for employment as maintenance technicians in general aviation, corporate aviation, airlines or aerospace manufacturers.

Upon completion of this program, students will be able to:

- Demonstrate proficient, entry-level aviation maintenance skills;
- Apply their knowledge of systems to evaluate FAA publications as to airworthy standard. Maintenance log recording will be completed to FAA standards;
- Exhibit proficiency in emphasis area skills: airframe or power plant;
- Become competent in the skills, knowledge, and techniques necessary to successfully pass FAA oral and practical exams for certification;
- Demonstrate critical thinking, technological competency, and communication skills, as well as the ability to work with others.

Courses must be selected in consultation with the Program Coordinator.

NOTE:

Students enrolled in a Certificate program must complete at least 50% of the program credits at DCC.* Students must earn an overall cumulative GPA of 2.0 or higher in order to be awarded the certificate.

*Certain courses may be required to be taken at DCC; check your specific program for these exceptions.

First Semester

Course No.	Descriptive Title	Credit Hours
AMT 101	General Maintenance Practices	5
AMT 102	Materials and Processes	2
AMT 103	Basic Aircraft Electricity	2
AMT 104	Airframe Systems I	5
MAT 109	Survey of Mathematics	3
	TOTAL	17

Second Semester

Course No.	Descriptive Title	Credit Hours
AMT 105	Airframe Systems II	3
AMT 106	Aircraft Structures I	3
AMT 107	Aircraft Structures II	4
AMT 108	Welding and Airframe Inspection	2

AMT 109	Introduction to Powerplant	3
	TOTAL	15

Third Semester

Course No.	Descriptive Title	Credit Hours
AMT 110	Reciprocating Engines	2
AMT 111	Turbine Engines & Powerplant Systems	4
AMT 112	Powerplant Systems	6
AMT 113	Powerplant Inspection and Electrical Systems	2
ENG 101	Composition I	3
	TOTAL	17
	Total Credit Hours	49

NOTE: The technical courses in this program (those with a prefix of "AMT") are offered sequentially, each course meeting for a portion of the semester. Check the Master Course Schedule for the specific start and end dates for each course.