Aircraft Maintenance

Airframe

Certificate in Applied Science
Credit Requirements: 29 Semester Credit Hours

This certificate, along with the General and Powerplant certificates, prepares the student to sit for the certification exams required by the Federal Aviation Administration to become certified airframe and powerplant maintenance technicians. Students are prepared for employment repairing aircraft, engines and related systems with airlines, government agencies, aircraft manufacturers and aircraft service companies.

For admission into this program the student must be a high school graduate or possess a GED and take TTC’s placement test or meet the college’s SAT or ACT requirements.

Recommended Sequence of Courses
First Semester – Spring
ACM 125 Wood Structures, Coverings and Finishes 2
ACM 135 Sheet Metal and Non-metallic Structures 4
ACM 145 Aircraft Welding 2
ACM 165 Hydraulic and Pneumatic Systems 3
Total 11

Second Semester – Summer
ACM 150 Assembly and Rigging 3
ACM 155 Aircraft Environmental Systems 3
ACM 160 Utility and Warning Systems 3
ACM 167 Landing Gear Systems 3
Total 12

Third Semester – Fall
ACM 170 Aircraft Electrical Systems 4
ACM 172 Aircraft Fuel Systems 1
ACM 174 Airframe Inspection 1
Total 6

Aircraft Maintenance
General

Certificate in Applied Science
Credit Requirements: 18 Semester Credit Hours

This certificate, along with the Airframe and Powerplant certificates, prepares the student to sit for the certification exams required by the Federal Aviation Administration to become certified airframe and powerplant maintenance technicians. Students are prepared for employment repairing aircraft, engines and related systems with airlines, government agencies, aircraft manufacturers and aircraft service companies.

For admission into this program the student must be a high school graduate or possess a GED and take TTC’s placement test or meet the college’s SAT or ACT requirements.

Recommended Sequence of Courses
First Semester – Fall
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 and Servicing 3
ACM 120 Materials and Corrosion Control 4
Total 17

Second Semester – Spring
ACM 114 Fluid Lines and Fittings 1
Total 1

Aircraft Maintenance

Powerplant

Certificate in Applied Science
Credit Requirements: 30 Semester Credit Hours

This certificate, along with the General and Airframe certificates, prepares the student to sit for the certification exams required by the Federal Aviation Administration to become certified airframe and powerplant maintenance technicians. Students are prepared for employment repairing aircraft, engines and related systems with airlines, government agencies, aircraft manufacturers and aircraft service companies.

For admission into this program the student must be a high school graduate or possess a GED and take TTC’s placement test or meet the college’s SAT or ACT requirements.

Recommended Sequence of Courses
First Semester – Fall
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 and Servicing 3
ACM 120 Materials and Corrosion Control 4
Total 17

Second Semester – Spring
ACM 114 Fluid Lines and Fittings 1
Total 1