

2024-2025 TTC Catalog

Aircraft Maintenance Technology

Associate in Applied Science in Aircraft Maintenance Technology

92 Credit Hours

The Aircraft Maintenance Technology program prepares students to sit for the certification exam of the Federal Aviation Administration as airframe and/or powerplant technicians. Students also are prepared for employment repairing aircraft, engines and related systems with airlines, government agencies, aircraft manufacturers and aircraft service companies. Opportunities for career advancement include lead technician, authorized inspector, shop supervisor, maintenance director or business owner. The program is licensed by the Federal Aviation Administration.

General Education Core Requirements

ENG 101 English Composition I 3

IDS 109 First Year Experience Seminar 3

REQ HUM	Select from Humanities	3
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REQ MAT	Select from Mathematics/ Natural Sciences	3
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REQ SSC	Select from Behavioral/Social Sciences	3
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Total: 15

Major Requirements

ACM 101 General Regulations 2

ACM 102 Aviation Sciences 3

ACM 105 Basic Aircraft Electricity 4

ACM 110 Aircraft Drawings 1

ACM 114 Fluid Lines and Fittings 1

ACM 115 Ground Handling and Servicing 3

ACM 120 Materials and Corrosion Control 4

ACM 125 Wood Structures, Coverings and Finishes 2

ACM 135 Sheet Metal and Non-metallic Structures 4

ACM 145 Aircraft Welding 2

ACM 150 Assembly and Rigging 3

ACM 155 Aircraft Environmental Systems 3

ACM 160 Utility and Warning Systems 3

ACM 165 Hydraulic and Pneumatic Systems 3

ACM 167 Landing Gear Systems 3

ACM 170 Aircraft Electrical Systems 4
ACM 172 Aircraft Fuel Systems 1
ACM 174 Airframe Inspection 1
ACM 201 Lubricating Systems 2
ACM 205 Ignition and Starting Systems 3
ACM 210 Reciprocating Engine Overhaul 4
ACM 212 Engine Installation 3
ACM 220 Turbine Engines 3
ACM 226 Engine Inspection 1
ACM 234 Propellers and Components 4
ACM 240 Engine Electrical Instrumentation and Fire Protection 3
ACM 245 Powerplant Fuel Systems 4
ACM 250 Induction Cooling and Exhaust 3

Total: 77

Admission Requirements

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.