Recommended Sequence of Courses

First Semester – Fall
ACM 201 Lubricating Systems 2
ACM 205 Ignition and Starting Systems 3
ACM 245 Powerplant Fuel Systems 4
Total 9

Second Semester – Spring
ACM 220 Turbine Engines 3
ACM 234 Propellers and Components 4
ACM 240 Engine Electrical Instrumentation and Fire Protection 3
ACM 250 Induction Cooling and Exhaust 3
Total 13

Third Semester – Summer
ACM 210 Reciprocating Engine Overhaul 4
ACM 212 Engine Installation 3
ACM 226 Engine Inspection 1
Total 8

Avionics Maintenance Technology

Certificate in Applied Science
Credit Requirements: 40 Semester Credit Hours

This certificate prepares the student to sit for the certification exams required by the Federal Communications Commission (FCC) and National Center for Aerospace and Transportation Technologies (NCATT) to become certified avionics maintenance technicians. Students will gain the skills needed to exceed employer expectations. Instruction includes installation, maintenance, troubleshooting and calibration of systems related to navigation, communication, power generation and other critical electrical, electronic and ancillary systems required to keep aircraft flying safely.

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

Recommended Sequence of Courses

First Semester – Fall
AVT 101 Basic Electricity for Avionics 4
AVT 110 Aircraft Electronic Circuits 4
AVT 115 Aircraft Digital Circuits 3
AVT 145 Avionics Circuit Repair 3
Total 14