

2024-2025 TTC Catalog

Avionics Maintenance Technology

Certificate in Applied Science

40 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.

Major Requirements

AVT 101 Basic Electricity for Avionics 4
AVT 105 Aircraft Electricity for Avionics 4
AVT 110 Aircraft Electronic Circuits 4
AVT 115 Aircraft Digital Circuits 3
AVT 120 Aviation Electronic Communications 4
AVT 125 Aviation Data Communications 3
AVT 140 Avionics Standard Practices 3
AVT 145 Avionics Circuit Repair 3
AVT 150 Aircraft Navigation Systems 3
AVT 155 Aircraft Pulse Systems 3
AVT 160 Aircraft Radar Systems 3
AVT 165 Avionics General Regulations 2
AVT 170 Avionics Program and Test Review 1

Total: 40

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.