Aircraft Electrical and Electronics Technology Certificate in Applied Science

Mission Statement:
The Aircraft Electrical and Electronics Technology Certificate program prepares students for employment in the avionics, and aircraft and electrical electronics maintenance fields. The program positions the graduate to make immediate contributions upon being placed with an employer. The graduate will have diverse skills and competencies derived from the Aircraft Electrical and Electronics Technology Program.

Entrance Requirements:
Acceptable placement test score(s), plus high school diploma or equivalent

Type of Program:
Day or evening

Employment Opportunities:
Positions as avionics technicians, avionics installers, electrical installers and electronics repairmen at local aircraft maintenance repair facilities, and nationwide opportunities at aircraft repair stations and flight operation centers such as Boeing, Lockheed, Stevens, Delta, and Gulfstream facilities.

- This program prepares the student for the certification exams required by the Federal Communications Commission
- (FCC) and National Center for Aerospace and Transportation Technologies (NCATT) to become certified avionics and aircraft electrical and electronics technician maintenance technicians. 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.

Recommended Program Schedule

First Semester – Fall
AVT 101 Basic Electricity for Avionics 4.0
AVT 105 Aircraft Electricity for Avionics 4.0
AVT 110 Aircraft Electronic Circuits 4.0
AVT 115 Aircraft Digital Circuits 3.0

Second Semester – Spring
AVT 120 Aviation Electronic Communications 4.0
AVT 125 Aviation Data Communications 3.0
AVT 140 Avionics Standard Practices 3.0
AVT 145 Avionics Circuit Repair 3.0

Third Semester – Summer
AVT 150 Aircraft Navigation Systems 3.0
AVT 155 Aircraft Pulse Systems 3.0
AVT 160 Aircraft Radar Systems 3.0
AVT 165 Avionics General Regulations 2.0
AVT 170 Avionics Program and Test Review 1.0

Total Required Credit Hours: 40.0

Visit https://www.gvtec.edu/gainful-employment/ for important information about the educational debt, earnings and graduation rates of students who attended programs.