

# 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.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.