

# General Technology Associate in Applied Science Avionics Maintenance Technology Career Path

## Mission Statement

The Associate in Applied Science General Technology degree program offers students the opportunity to design a program of study to meet their individual needs.

## Entrance Requirements:

Acceptable placement test score(s); plus high school diploma or equivalent; no physical or mental disabilities that would endanger the student or others, i.e., fainting, seizures, dizziness, impaired hearing or vision, etc.

## Type of Program:

Day or evening

## Professional Credentials:

FAA Airframe and Powerplant Technician Certification (subject to passing exam)

## Employment Opportunities:

Positions as avionics technicians, avionics installers, electrical installers and avionics repairmen at local aircraft maintenance repair facilities and nationwide opportunities at aircraft repair stations such as Boeing, Lockheed 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 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.
- The following is an example of a career path in Avionics Maintenance Technology. Students complete course work in at least two technical areas, as well as general education courses. Students should work with their advisor for recommended course schedules.
- **Note:** Students may only earn **one** General Technology Degree.

## General Education Requirements

ENG	101	English Composition I*	3.0
SPC	205	Public Speaking*	3.0
MAT	155	Contemporary Mathematics*	3.0
		or	
MAT	170	Algebra, Geometry, & Trigonometry I* (or higher math)	
		Humanities Elective*	3.0
		Behavioral/Social Science Elective*	3.0

## Primary Technical Specialty

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
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
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

**Secondary Technical Specialty**

ACM	101	General Regulations	2.0
ACM	102	Aviation Sciences	3.0
ACM	110	Aircraft Drawings	1.0
ACM	115	Ground Handling and Servicing	3.0
ACM	120	Materials and Corrosion Control	4.0

**Additional Required Hours**

CPT	170	Microcomputer Applications	3.0
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**Total Required Credit Hours: 71.0**

\*General education course

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