

Aviation Electronics Technology

The Aviation Electronics Technology (Avionics) program is a two-year associate of applied science degree program that teaches students the theoretical and technical applications of avionics within the aviation industry. Through hands-on training with aircraft electronics and associated electrical equipment, students will learn to test, troubleshoot, and repair components for communication, navigation, instrument, and control systems. Successful program graduates will be prepared to earn industry recognized certifications and work as entry level technicians in the aircraft electronics maintenance and repair field.

Year 1	Credits	
	Fall	Spring
AVMT 121 - Aviation Electronics Fundamentals	3	
AVMT 100 - Introduction to Aviation Maintenance Mathematics/Basic Physics	3	
ETEC 101 - AC/DC Electronics with Lab	4	
AVMT 175 - Aircraft Electrical Systems	3	
WRIT 121 - Introduction to Technical Writing	3	
ETEC 106 - AC Circuit Analysis		3
ETEC 113 - Circuits Lab		1
AVMT 187 - Aircraft Instrument Systems		3
AVMT 190 - Wire Harnesses and Connectors		3
PHSX 103IN - The Physics of How Things Work		3
COMX 222 - Professional Communication		3
Year Total:	16	16
Year 2	Credits	
	Fall	Spring
ETEC 250 - Solid State Electronics I	4	
AVMT 215 - Federal Aviation Administration Regulations	2	
AVMT 205 - Aircraft Communication Systems	3	
AVMT 210 - Aircraft Navigation Systems I	3	
CSCI 107 - Joy and Beauty of Computing	3	
ETEC 245 - Digital Electronics		4
AVMT 220 - Aviation Systems Interconnect		2
AVMT 260 - Flight Line Testing		2
AVMT 265 - Federal Communications Commission Regulations and Radio Theory		2
AVMT 270 - Aviation Navigation Systems II		3
AVMT 275 - Advanced Wiring and Troubleshooting		4
Year Total:	15	17
Total Program Credits:		64