AVIATION ELECTRONICS TECHNOLOGY

The Aviation Electronics Technology (Avionics) program teaches the theoretical and technical applications of avionics within the aviation industry. Through hands-on training with aircraft electronics and associated electrical equipment, you will learn to test, troubleshoot, and repair components for communication, navigation, instrument and control systems. Graduates will be prepared to earn industry recognized certifications and work as technicians in the aircraft electronics maintenance and repair field, earning high wages in an industry needing these highly demanded skills!

Aviation Electronics Technology students learn:
• Electrical components for aircraft communication, navigation, instrument, and control systems as applicable to current and emerging aviation industry practices.
• Avionic inspection and maintenance procedures as required by the Federal Aviation Administration (FAA).
• Professional and ethical work practices for the aviation industry.
• Applications of avionics technology for aeronautical principles, design characteristics, and system operation for a variety of aircraft.
• Operating procedures for aviation computers and related technology.
• Component troubleshooting for complex avionics systems.
• Precision tool and test equipment use for accurate repairs.
• Critical knowledge for industry-related exams including the Federal Communications Commission Radio Operator certification exam.

...and much more!

Possible Careers Include:
Avionics Technician
Avionics Specialist
Electric Vehicle Technician

Potential Annual Salary:
$38,000 (entry) - $70,000 (3 years)

Courses Include:
Intro to Aviation Mathematics
Intro to Technical Writing
Airframe & Powerplant Electrical
AC/DC Electronics
Wire Harness & Connectors Lab
Instruments and Controls
FAA Regulations
Aviation Communication Systems
Aviation Navigation Systems
Joy and Beauty of Computing
Aviation System Interconnect
Flight Line Testing
FCC Regulations & Radio Theory
Advanced Wiring/Troubleshooting

Fulfill Your Potential!
Learn more at gallatin.montana.edu