

Aviation Maintenance Technology



PIA's flagship program, the **Aviation Maintenance Technology** program, has lead the industry in providing quality aircraft mechanics for over 90 years. This program provides students with the opportunity to test for the prestigious **FAA's Airframe and Powerplant Certification**, often referred to as the "golden ticket" to a career in aviation maintenance.

What Does An AMT Do?

Aviation maintenance technicians check aircraft equipment on a regular basis. They complete inspections, perform scheduled maintenance, and make any necessary repairs according to **FAA regulations**, using their knowledge of these areas and more:

- Turbine Engines
- Reciprocating Engines
- Metallic Structures
- Ignition Systems
- Hydraulics & Pneumatics
- Composite Materials
- Welding
- Aircraft Weight & Balance

AMT Program Options

Associate in Specialized Technology Degree (AST)

Length: 21 Months
Campus Location: Pittsburgh, PA

Diploma/Certificate*

Length: 16 Months
Campus Location(s): Hagerstown, MD
Myrtle Beach, SC
Youngstown, OH

16 month program is approved to award a diploma in MD & OH, and a certificate in SC.

FAA Airframe & Powerplant Certification

ALL mechanical work done on aircraft must be inspected or supervised by an FAA Airframe and Powerplant (A&P) Certified Technician. Their work ensures the safety of millions of flight passengers every year.

At PIA, we take tremendous pride in ensuring you are prepared for these examinations. Prior to the completion of your final term, you will qualify to complete your General and either Powerplant or Airframe exams (depending on the order of your program). Upon the completion of your program, you will only have one section of exams remaining.



Dual Ticket Option (Pittsburgh Campus)



For the past several decades, aviation employers have hired A&P certified technicians to maintain all aspects of an aircraft except for component level evaluation of avionics equipment, which is maintained by Aviation Electronics Technicians. At the

Pittsburgh Campus, our curriculum is designed to allow a graduate of their first AST Degree program to be able to complete the second AST Degree program in an additional 12 months. Graduates that have completed both programs are often the first considered for employment by most employers.



Pittsburgh • Hagerstown • Myrtle Beach • Youngstown

School for Aviation Maintenance

LEARN MORE @
PIA.EDU

Aviation Electronics Technology



Since 1980, PIA has been one of the select schools in the nation offering a program specifically designed for the repair and maintenance of the complex avionics systems that are utilized within an aircraft and throughout the aviation industry. Our **Aviation Electronics Technology** program goes beyond the scope of just identifying and replacing faulty equipment. Graduates of our avionics program have **advanced component level troubleshooting skills** that can save employers a significant amount of money.

What Does An AET Do?

Aviation electronics, otherwise known as avionics, are the brains of aircraft. Aviation electronics technicians are masters of identifying and repairing issues with communications systems, navigation equipment, display screens, and more. Our AET program helps students acquire the **FCC General Radiotelephone Operator's License (GROL)**, with coursework covering these and other systems:

- Amplifiers
- Microprocessors
- Communications Transceivers
- Microwave Systems
- Radar Equipment
- Navigation Systems

AET Program Options

Associate in Specialized Technology Degree (AST)

Length: 21 Months
Campus Location: Pittsburgh, PA



FCC General Radiotelephone Operator License

A General Radiotelephone Operator's License (GROL) is required to adjust, maintain, or internally repair FCC licensed radiotelephone transmitters in the aviation, maritime, and international fixed public radio services. It is indispensable for a future in aviation electronics.

PIA's avionics program prepares students for the following required elements:

Element 1 – Basic radio law and operating practice with which every maritime radio operator should be familiar.

Element 3 – General Radiotelephone. Electronic fundamentals and techniques required to adjust, repair, and maintain radio transmitters and receivers.



Dual Ticket Option (Pittsburgh Campus)



For the past several decades, aviation employers have hired A&P certified technicians to maintain all aspects of an aircraft except for component level evaluation of avionics equipment, which is maintained by Aviation Electronics Technicians. At the Pittsburgh Campus, our curriculum is designed to allow a graduate of their first AST Degree program to be able to complete the second AST Degree program in an additional 12 months. Graduates that have completed both programs are often the first considered for employment by most employers.



Pittsburgh • Hagerstown • Myrtle Beach • Youngstown
School for Aviation Maintenance

LEARN MORE @
PIA.EDU