Degree: Associate in Applied Science  
Major: GENERAL TECHNOLOGY (GEN3)  
Emphasis: Aviation Maintenance  
Credit Requirements: 102 semester credit hours

Horry Georgetown Technical College and Pittsburgh Institute of Aeronautics (PIA) have signed an articulation agreement which is designed to afford students the opportunity to earn the Associate in Applied Science with a major in General Technology, allowing a student to specialize in two areas: Aviation Power plant and Aviation Airframe to be offered through PIA. General Education courses will be taught at HGTC in the students’ first and sixth semester. The ACM courses (below) will be offered at PIA facilities (pending FAA approval) in Myrtle Beach. Upon satisfactory completion of the required coursework outlined below, students will be eligible to graduate from HGTC with an associate degree in applied science (AAS). Each student is required to complete a minimum of 25% of the coursework required at HGTC.

Admission to this program requires completion of HGTC Admission requirements (application, transcripts, fees and placement information) in addition to PIA applications by eligible students. Although PIA does not require a criminal background check, applicants should be aware that certain offenses may preclude graduates from employment in the industry. Contact Admissions (admissions@hgtc.edu) for details on admissions procedures.

**FIRST SEMESTER**

- AMF 101 Introduction to Aviation Maintenance  1
- CPT 101 Introduction to Computers   3
- ENG 155 Communications I*   3
- MAT 155 Contemporary Mathematics*   3
- MGT 101 Principles of Management   3
- OR
- MGT 150 Fundamentals of Supervision

**TOTAL**  13

**SECOND THROUGH FIFTH SEMESTER COURSES - SECOND SEMESTER/PIA**

- ACM 101 General Regulations   2
- ACM 102 Aviation Sciences   3
- ACM 105 Basic Aircraft Electricity   4
- ACM 110 Aircraft Drawings   1
- ACM 115 Ground Handling and Servicing   3
- ACM 120 Materials and Corrosion Control   4

**TOTAL**  17

**THIRD SEMESTER/PIA**

- ACM 160 Utility and Warning Systems   3
- ACM 170 Aircraft Electrical Systems   4
- ACM 201 Lubricating Systems   2
- ACM 205 Ignition and Starting Systems   3
- ACM 240 Engine Electrical Instrumentation And Fire Protection   3
- ACM 245 Power Plant and Fuel Systems   4

**TOTAL**  19

**FOURTH SEMESTER/PIA**

- ACM 155 Aircraft Environmental Systems   3
- ACM 210 Reciprocating Engine Overhaul   4
- ACM 212 Engine Installation   3
- ACM 220 Turbine Engines   3
- ACM 226 Engine Inspection   1
- ACM 234 Propellers and Components   4
- ACM 250 Introduction to Cooling and Exhaust   3

**TOTAL**  21
### FIFTH SEMESTER/PIA

<table>
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<tr>
<td>ACM 114</td>
<td>Fluid Lines and Fittings</td>
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<td>ACM 125</td>
<td>Wood Structures, Coverings and Finishes</td>
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<tr>
<td>ACM 135</td>
<td>Sheet Metal and Nonmetallic Structures</td>
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<tr>
<td>ACM 145</td>
<td>Aircraft Welding</td>
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<td>ACM 150</td>
<td>Assembly and Rigging</td>
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<tr>
<td>ACM 165</td>
<td>Hydraulic and Pneumatic Systems</td>
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<tr>
<td>ACM 167</td>
<td>Landing Gear Systems</td>
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<td>ACM 172</td>
<td>Aircraft Fuel Systems</td>
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<tr>
<td>ACM 174</td>
<td>Airframe Inspection</td>
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### SIXTH SEMESTER COURSES/HGTC

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<td>ENG 160</td>
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<td>PHI 103</td>
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<td>PSY 103</td>
<td>Human Relations*</td>
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### TOTAL CREDIT HOURS

102

*Students planning to continue toward a bachelor’s degree: ENG 101 and SPC 205 in place of ENG 155 and ENG 160; MAT 110 or higher in place of MAT 101; PHI 110 in place of PHI 103; PHY 201 in place of PHS 101; PSY 201 in place of PSY 103. Students may choose to complete some or all HGTC coursework before, during or after enrollment at PIA.*