

## 2007-08 Catalog: Programs of Study

### Aircraft Powerplant Mechanics (5734)

#### Workforce Certificate

#### A selective admission program

This FAA-approved program prepares you for a rewarding career in the general or commercial segment of the aviation industry. Instruction is comprised of academic as well as laboratory training designed to prepare you for the written, oral and practical testing process required for certification as an FAA mechanic. With this rating you will be qualified for positions as an Aviation Maintenance Technician with the FAA Powerplant Rating. Note: It is recommended that students pursue both the Airframe and Powerplant ratings for maximum employment potential.

FAA certified maintenance technicians have the important responsibility of keeping aircraft powerplants and their related equipment working safely and efficiently. They service, repair, and overhaul various aircraft components and systems including piston engines, turbine engines, propellers, fuel metering systems and start and ignition systems. Aviation Maintenance Technicians employed by the airlines perform either line maintenance work (for example, routine maintenance, servicing, or emergency repairs at airline terminals) or major repairs and periodic inspections at an airline's overhaul facility. Aviation Maintenance Technicians in general aviation perform maintenance and repairs similar to those performed by airline mechanics, but they may work on small piston-engine or medium sized turbine-powered aircraft, depending on the specialty of the business where employed.

**Note:** In addition to the membership application above ("Apply for this Program Now"), students must also follow the **Application Procedure** for this program.

#### Cost

Estimated cost of tuition is \$2,798 (tuition rated for Florida residents, as of 7/06). Contact the program manager for additional costs (textbooks, materials, fees).

#### Application Procedure

All students are required to take the TABE exams prior to enrolling in this program unless you currently possess an A.A., A.S. or bachelor's degree.

The Test of Adult Basic Education (TABE) is a major criterion in a student's completion of the program. Students who fail to meet the State of Florida's designated exit score will be required to complete the Vocational Preparatory Instruction (VPI). In order to complete the program successfully, students must achieve or surpass the designated exit score(s). See **Standards of Academic Progress**.

For further information regarding testing, call 904.317.3813.

#### Need More Information? Contact:

**David Dagenais, Cecil Center South (ACE)**, 904.317.3821

**Lisa Westberry, Cecil Center South (ACE)**, 904.779.4115

#### Curriculum

Course Number and Title Professional Courses	Contact Hours	Workforce Credits
* <b>VPI 0100</b> Basic Reading Skills		
* <b>VPI 0200</b> Basic Mathematical Skills		
* <b>VPI 0300</b> Basic Language Skills		
** <b>AMT 0701</b> Aviation Maintenance Technology General I	120	4.00
** <b>AMT 0702</b> Aviation Maintenance Technology General II	120	4.00
** <b>AMT 0703</b> Aviation Maintenance Technology General III	120	4.00

<b>**AMT 0704</b>	Aviation Maintenance Technology General IV	120	4.00
<b>AMT 0821</b>	Aviation Maintenance Technology Powerplant I	240	8.00
<b>AMT 0822</b>	Aviation Maintenance Technology Powerplant II	240	8.00
<b>AMT 0823</b>	Aviation Maintenance Technology Powerplant III	240	8.00
<b>AMT 0824</b>	Aviation Maintenance Technology Powerplant IV	240	8.00
<b>Total Contact Hours</b>		<b>1,440</b>	<b>48.06</b>

\*Students who have satisfactory test scores are not required to take these courses.

\*\*General courses are identical between Airframe and Powerplant programs of study and only need to be completed once for both programs.

#### Note

Student hand tools are required for this program and may be purchased through the college bookstore. Students may provide their own tools, but must provide the minimum required tools as a condition of enrollment. The mandatory tool list is available online at the [ACE Web site](#).

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To request information, contact the Learner Support Center at [info@fccj.edu](mailto:info@fccj.edu) or 904.646.2300.

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