

## **AEROSPACE ELECTRONICS TECHNOLOGY**

The Aerospace Electronics Technology program provides individuals with a comprehensive education that will prepare graduates for employment in aerospace and related industries. The instructional program prepares individuals to support electrical engineers and other professionals in the design, development, and testing electrical circuits, devices and systems.

The Aerospace Electronics Technology instruction includes model and prototype development and testing; systems analysis and integration including design, development of corrective and preventive maintenance techniques; and the preparation of reports and test results. Specialized training in aerospace topics and technical training in fundamental engineering principles are provided through classroom and laboratory instruction.

Upon completion of the prescribed curriculum in Aerospace Electronics Technology, an Associate in Applied Science Degree (AAS) will be awarded to the graduate. Although technical programs are designed for immediate employment upon completion, transfer credit toward a baccalaureate degree may be accepted from a four-year institution in areas of technology and in industrial education. This should be verified by the senior institution.

### **CAREER OPPORTUNITIES**

Nationwide there is a great demand for aerospace technicians. There is a need for entry-level technical specialists in Aerospace Electronics in South Mississippi. The high-tech career opportunities in Aerospace are on the leading edge of technology for the new millennium.

### **CERTIFICATIONS**

There are certifications that we offer here at PRCC that will benefit you in your career. SpaceTec is an organization promoting aerospace technology. Their vision is to be the focal point for aerospace related technical education resources providing motivation for academic studies and professional development services for faculty, students, and aerospace employees. Upon completion of the Aerospace Electronics Technology curriculum, you will be qualified for the SpaceTEC National Certification Exam. For more information on the SpaceTEC exam visit [www.spacetec.org](http://www.spacetec.org). We also give the FCC (Federal Communications Commission) certification test and the CET (Certified Electronic Technician) test.

### **CURRICULUM**

<b><u>First Semester</u></b>	Semester Hours
EET 1101 Introduction to Aerospace Technology	1
EET 1192 Fundamentals of Electronics	2
EET 1114 DC Circuits	4
EET 1214 Digital Electronics	4
DDT 1114 Fundamentals of Drafting	4
MAT 1113 College Algebra	3

### **Second Semester**

	Semester Hours
EET 1334 Solid State Devices and Circuits	4
EET 1123 AC Circuits	3
ENG 1113 English Composition I	3
MST 1113 Introduction to Machine Technology	3
INT 1413 Motor Control	3
SPT 1113 Oral Communication	3

### **Third Semester**

INT 2214 Calibration and Measurement Principles	4
ELT 1123 Commercial and Industrial Wiring	3
ELT 2613 Programmable Logic Controllers	3
_____ Humanities/Fine Arts Elective	3

### **Fourth Semester**

EET 2334 Linear Integrated Circuits	4
INT 1214 Fluid Power	4
INT 2114 Control Systems	4
_____ Social/Behavioral Science Elective	3

**Total Credit Hours: 65**

### **ADMISSION REQUIREMENTS**

Applicants for Aerospace Electronics Technology must have the following documents submitted:

1. PRCC Application for Admission;
2. An official transcript from an accredited high school indicating date of graduation or GED transcript indicating passing;
3. Official transcript from every college attended (if applicable);
4. ACT scores.

### **CONTACT INFORMATION**

For more information, call or write:

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