

2007-08 Catalog: Programs of Study

Biomedical Equipment Maintenance and Repair Technology (5936)

Workforce Certificate

The Biomedical Equipment Maintenance and Repair Technology program is designed to prepare students for entry-level positions related to biomedical equipment. These technically trained individuals are prepared to assist engineers or scientists or take positions as biomedical equipment technicians or technical sales representatives. Hospitals, equipment manufacturers and service contractors are typical places of employment.

Students will need to provide copies of their criminal background checks and proof prior to registering for internships or working at most medical facilities.

Application Procedure

Application to the program is made by contacting the Advanced Technology Center Program Manager at 904.598.5676. 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**.

Applicants must:

1. Be accepted for admission to Florida Community College.
2. Provide a high school completion transcript or copy of GED test scores.
3. Show completion of TABE (Test of Adult Basic Education). For TABE information, call 904.633.8388.
4. Complete the TABE with the required scores for this program: Math – 10, Language – 10 and Reading – 10.
5. Apply to the program by contacting the Advanced Technology Center program manager.

Internships

Florida Community College will refer you for internships and job interviews. You will have the opportunity to network with small and large hospitals and medical maintenance companies in north Florida and possibly become employed while you're still in school.

Career Opportunities, Rapid Placement

North Florida has a strong medical industry and the Jacksonville Chamber of Commerce is actively seeking more companies for the region. The U.S. Department of Labor predicts the demand for biomedical equipment technicians will grow as much as 34 percent over all in the next several years.

Annual Salaries

Entry level for medical equipment technicians in Florida averages \$17.90 per hour. Overtime, bonuses, rapid advancement and opportunities for self-employment can rapidly increase your income.

Certification and Articulation

This program offers workforce and technical certificates that qualify you for entry-level service positions. Certain credits transfer to a 2- or 4-year degree.

This program does not provide a Florida state workforce certificate but does provide a Florida Community College certificate. After completing the courses in this program, students can articulate to the certificate or college credit degree programs. Please contact your advisor 904.598.5676 to apply or for more information.

Cost

Estimated tuition is \$1,999 (for Florida residents, as of 5/08). Contact the program manager for additional costs (textbooks, materials, fees).

Need More Information? Contact:

Lance Wallace, Advanced Technology Center, 904.598.5676

Curriculum

Course Number and Title	Contact Hours	Workforce Credits
Professional Courses		
* VPI 0100 Basic Reading Skills		
* VPI 0200 Basic Mathematical Skills		
* VPI 0300 Basic Language Skills		
EEV 0031 Survey of Electronics	60	2.00
or EEV 0125 Electronics Theory/DC Circuits	30	1.00
and EEV 0936 Technical Career Exploration	30	1.00
EEV 0543 Desktop Operating Systems	60	2.00
EEV 0585 Technical Support	60	2.00
EEV 0531 Computer Peripherals and Interfacing	60	2.00
EEV 0554 Introduction to Network Configuration	60	2.00
EEV 0480 Biomedical Technology and Techniques	60	2.00
EEV 0481 Biomedical Instrumentation I	60	2.00
EEV 0815 Digital Fundamentals	60	2.00
EEV 0906 Biomedical Internship I	60	2.00
EEV 0606 DC/AC Network Analysis	60	2.00
EEV 0482 Biomedical Instrumentation II	60	2.00
EEV 0816 Microprocessor Fundamentals	60	2.00
EEV 0813 Solid-State Devices	60	2.00
EEV 0814 Solid-State Circuits Analysis	60	2.00
EEV 0907 Biomedical Internship II	60	2.00
EEV 0908 Biomedical Internship III	125	4.00
Total Contact Hours	1,025	34.00

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

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To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

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