

2007-08 Catalog: Programs of Study

Biomedical Engineering Technology (2271)

Associate in Science

The Biomedical Engineering 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.

Note

Due to hospital regulations, criminal background checks, medical examinations and proof of immunizations will be required prior to starting internships at medical facilities

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 engineering technicians will grow as much as 34 percent overall in the next several years.

Annual Salaries

Entry level earnings 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.

Cost

Estimated cost of tuition is \$4,050 (tuition rated for Florida residents, as of 7/07). 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	Credits
General Education	
ENC 1101 English Composition I	3
*Mathematics	3
*Social and Behavioral Science	3
*Humanities	3
*Communications — Category B	3
Credit Hours	15
Required Professional Courses	
EET 1084 Survey of Electronics	3
or EET 1070 Electronics Theory	1
and EET 1936 Technical Career Exploration	2
CET 2186 Computer Peripherals and Interfacing	3
CET 1514 Desktop Operating Systems	3

CET 1175	Technical Support	3
CET 1742	Introduction to Network Configuration	3
SLS 1931	Selected Topics in Student Life Skills	1
EET 1144	Solid-State Devices	3
CET 1114	Digital Fundamentals	3
EST 1412	Biomedical Technology and Techniques	3
EET 1037	DC/AC Network Analysis	3
EET 2147	Solid-State Circuit Analysis	3
EST 2436	Biomedical Instrumentation I	3
EST 1943	Biomedical Internship I	3
CET 2123	Microprocessor Fundamentals	3
EST 2438	Biomedical Instrumentation II	3
EST 2946	Biomedical Internship II	3
	Credit Hours	46
	Total Credit Hours	61

*Refer to A.S. degree **General Education Requirements**.

Record of Conviction of a Crime

Companies or agencies used for some clinical, internship or cooperative education classes may require students to undergo drug screening and/or criminal background checks prior to placement at their sites. Students whose drug screening or criminal background checks are unsatisfactory may be denied access to the company or agency. Withdrawal from the program may be necessary if students cannot be placed for clinical, internship or cooperative education classes.

Notes

This associate in science degree program is intended primarily for students who desire to complete an associate in science degree and become employed. Students who decide to pursue university transfer study must meet certain course and test requirements. For details refer to **the university transfer guide**.

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

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