

The Associate in Science (A.S.) Degree in Biomedical Equipment Technology prepares students for distinctive success in the repair and maintenance of biomedical equipment.

This hands-on program is designed to respond to the needs of regional hospitals, labs, and other medical facilities. This program provides foundational technical skills for engineers, sales representatives, or equipment repair technicians in the biomedical industry.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Explore career resources at fscj.edu/student-services/career-development .
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the associate in science degree graduation requirements.

Career Options

The Biomedical Equipment Technician 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.

Advising

(904) 598-5618 or amt@fscj.edu.

Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. **Full-time students will refer to the term-by-term recommendations**, and **part-time students will take courses in the order listed**.

A minimum grade of C or higher must be achieved in all professional courses, as well as courses used to satisfy the general education and civic literacy requirements.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EET 1084C: Survey of Electronics	3	Spring, Fall
<input type="checkbox"/>	CTS 1131C: Hardware Configuration	3	All
<input type="checkbox"/>	CTS 1133C: Software Configuration	3	All
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ETS 1412: Biomedical Technology and Techniques	3	Fall
<input type="checkbox"/>	EET 1037C: DC/AC Network Analysis	3	Fall
<input type="checkbox"/>	ETM 2315C: Mechanical Devices and Systems	3	Fall
<input type="checkbox"/>	MAC 1105: College Algebra or higher-level MAC prefix course or MAP 2302: Differential Equations or STA 2023: Elementary Statistics	3-5	Varies

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ETS 2436C: Biomedical Instrumentation I	3	Spring
<input type="checkbox"/>	EET 1144C: Solid-State Devices	3	Spring
<input type="checkbox"/>	ETS 1700C: Hydraulics and Pneumatics	3	Spring
<input type="checkbox"/>	CET 1114C: Digital Fundamentals	3	Spring

Important for You to Know

This academic roadmap does not include **developmental education courses** in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include **MAT 1033: Intermediate Algebra**, which, for many students, is a prerequisite course for MAC 1105.

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	CTS 1154: Technical Support	3	All
<input type="checkbox"/>	BSC 1005: Life in Its Biological Environment or BSC 2010C: Principles of Biology I or BSC 2085C: Human Anatomy and Physiology I or AST 1002: Introduction to Astronomy or CHM 1020: Chemistry for Liberal Arts or CHM 2045C: General Chemistry and Qualitative Analysis I or ESC 1000: Earth and Space Science or EVR 1001: Introduction to Environmental Science or PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2048C: Physics I With Calculus or PHY 2053C: General Physics I	3-4	Varies
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies

Term 5

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ETS 1511C: Motors and Controls	3	Spring
<input type="checkbox"/>	ETS 2438C: Biomedical Instrumentation II	3	Spring
<input type="checkbox"/>	ETS 1943: Biomedical Internship I	3	All
<input type="checkbox"/>	ETS 2946: Biomedical Internship II	3	All

Total Program Credit Hours

The **Biomedical Equipment Technician A.S.** degree program requires a **minimum of 60 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is eligible** for financial aid.

Program Learning Outcomes

Upon completing this program, students will be able to demonstrate proficiency in the following program learning outcomes:

- Students will learn AC, DC, and grounding in conjunction with medical/lab equipment.
- Students will learn mechanical drives, alignment, and preventative maintenance in conjunction with medical/laboratory equipment.