

About the Program

The Associate in Science (A.S.) Degree in Biomedical Equipment Technology prepares students for distinctive success in the repair and maintenance of biomedical equipment. Graduates are prepared to assist engineers or scientists or take positions as biomedical equipment technicians or technical sales representatives.

This program requires a **minimum of 60 credit hours**. Total program hours may vary based on the student's individual academic degree plan. This program **is eligible** for financial aid.

Program Requirements

Students must fulfill all requirements outlined in the college catalog.

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics or other prerequisite courses that you may be required to take. In addition, it does not include program graduation requirements.

Additional Information

- ⇒ **Program Information**, including advisor contact details: <https://www.fscj.edu/academics/programs/as/2371>.
- ⇒ **Associate in Science Degree Information**, including graduation requirements: <https://catalog.fscj.edu/academics/degree-certificate-programs/associate-in-science-degrees>.
- ⇒ ***Program Requirements**: <https://catalog.fscj.edu/programs/2371>.
- ⇒ **Math Pathways Information**: <https://catalog.fscj.edu/academics/math-pathways>.

Sample Roadmap for Upper Division Coursework

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic degree plan. Some courses are offered only once per year; advising is critical for course progression.

See the **program requirements for general education course options.*

This program includes an **Algebra Through Calculus math pathway**. This pathway is intended for students whose academic program requires a foundation of algebra, followed by a sequence of courses that may lead to calculus.

Term 1

| Course | Credits |
|---|---------|
| EET 1084C - Survey of Electronics | 3 |
| CTS 1131C - Hardware Configuration | 3 |
| CTS 1133C - Software Configuration | 3 |
| ENC 1101 - English Composition I or ENC 1101C - English Composition I Enhanced | 3-4 |

Term 2

| Course | Credits |
|---|---------|
| ETS 1412 - Biomedical Technology and Techniques | 3 |
| CET 2600C - Network Fundamentals (Cisco 1) | 3 |
| ETM 2315C - Mechanical Devices and Systems | 3 |
| General Education Mathematics course | 3-5 |

Term 3

| Course | Credits |
|--|---------|
| ETS 2436C - Biomedical Instrumentation I | 3 |
| EET 1144C - Solid-State Devices | 3 |
| ETS 1700C - Hydraulics and Pneumatics | 3 |
| CET 1114C - Digital Fundamentals | 3 |

Term 4

| Course | Credits |
|---|---------|
| CTS 1154C - Technical Support | 3 |
| General Education Natural Sciences core course | 3-4 |
| AMH 2010 - United States History to 1877 or AMH 2020 - United States History from 1877 to the Present or POS 2041 - American Federal Government | 3 |
| General Education Humanities Core course | 3 |

Term 5

| Course | Credits |
|---|---------|
| ETS 1511C - Motors and Controls | 3 |
| ETS 2438C - Biomedical Instrumentation II | 3 |
| ETS 1943 - Biomedical Internship I | 3 |
| ETS 2946 - Biomedical Internship II | 3 |