Biomedical Equipment Technology A.S. Degree

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

GE Pattern: local AA/AS

Total Units: 60

Start Term: Spring

First Year

Semester 1 (Spring) — 15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	ET 302 Principles of Electricity and Electronics	4		
GE	ENGL C1000 Academic Reading and Writing or ENGL C1000H [H] Academic Reading and Writing - Honors	3 3		L1A
GE	MATH 300 Introduction to Mathematical Ideas	3		L2
GE	any Area L7B (Life Development Skills) course	2		L7B
GE	any Area L3 (Arts & Humanities) course	3		L3

Semester 2 (Fall) — 15.5 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	ET 322 Semiconductors and Nanotechnology	4	ET 302	
Req	ET 425 Introduction to Biomedical Equipment Technology	4	ET 302	
Req	ET 253 Industrial Communication Systems Support	4	ET 302	
RE	ET 260 Introduction to Medical Ultrasound Equipment	0.5		
GE	any Area L4 (Social & Behavioral Sciences) course	3		L4

CAREER PATH

Career Options:

This degree prepares students for ...

Advising Notes:

- This degree can be completed using either the local AA/AS general education (GE) pattern or the Cal-GETC transfer GE pattern. See a counselor to determine which pattern is best for you based on your academic goals.
- Students can substitute ESLW 340 for ENGL C1000/C1000H (formerly known as ENGWR 300/480).
- **Elective Courses:** any elective courses numbered 100-499, or having a 4-digit number starting with C.

Scheduling Notes:

- ET 425 is offered in the fall.
- ET 426 is offered in the spring.
- ET 263 is offered in the spring over three Saturdays.
- Due to the scheduling of ET 263, 425, and 426, this map is designed for students starting in the spring.
- ET 260 and 262 are offered alternate fall semesters on a Saturday.
- ET 261 is offered in the fall on a Friday evening, and two

Second Year

Semester 3 (Spring) — 15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	ET 426 Advanced Biomedical Equipment Technology	4	ET 425	
RE	ET 263 Introduction to Medical X-ray Imaging Equipment	1	ET 425	
Req	ET 335 Integrated Circuits with Computer Applications	4	ET 302	
GE	any Area L1B (Oral Communication & Critical Thinking) course	3		L1B
GE	any Area L5 (Natural Sciences) course	3		L5

Semester 4 (Fall) — 14.5 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	ET 380 Introduction to Electronic Communications	4	ET 302	
Req	ET 420 Microcontrollers and Digital Signal Processors	4		
RE	ET 261 Introduction to Biomedical Equipment Networking	1		
RE	ET 262 Introduction to Respiratory Therapy Ventilators	0.5		
GE	any Area L6 (Ethnic Studies) course	3		L6
GE	any Area L7A (Physical Education) course	1		L7A
Elec	any elective course	1		

H honors courses

EXPLANATION OF CATEGORIES		
Req	Required Core	A course that is required for this program
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement

Saturdays.

EXPLANATION OF CATEGORIES		
RE	Restricted Elective	A course selected from a list of elective courses specified for this program in the course list in the catalog, which can be replaced with another course from the same list
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

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