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: 2026-27

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 College Composition **or** ENGL C1000H [H] Honors College Composition	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	BMET 425 Introduction to Biomedical Equipment Technology	4	ET 302	
Req	ET 253 Industrial Communication Systems Support	4	ET 302	
RE	BMET 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.
- This map is designed for students who are able to take 12 units or more each semester, which is considered a full-time load. It shows one possible way to finish the program in two years. See a counselor to adjust the coursework to meet your specific needs.
- 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:

- BMET 425 is offered in the fall.
- BMET 426 is offered in the spring.
- BMET 263 is offered in the spring over three Saturdays.

Second Year

Semester 3 (Spring)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	**BMET 426** Advanced Biomedical Equipment Technology	4	BMET 425	
RE	**BMET 263** Introduction to Medical X-ray Imaging Equipment	1	BMET 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	ET 302	
RE	**BMET 261** Introduction to Biomedical Equipment Networking	1		
RE	**BMET 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

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

Published July 10, 2026