

BIOMEDICAL ELECTRONICS TECHNOLOGY

Associate in Applied Science Degree

This degree provides skills and training for students to become Biomedical Equipment Technicians who install, maintain, and repair medical equipment. Employment for Biomedical Technologists is available from hospitals, medical equipment manufacturing/service corporations, doctor's offices, and other facilities that utilize medical equipment. This degree focuses on electronic fundamentals to include DC, AC, and digital electronic principles coupled with several biomedical related courses. The biomedical courses provide training in biomedical equipment fundamentals, hospital safety regulations, medical terminology, human anatomy, physiology, and biology. Students will also be required to complete two biomedical practicum experiences at medical facilities. Students registering for the OEBM courses need to check with advising for information regarding enrollment in those courses.

FRESHMAN YEAR - FALL SEMESTER (18 Credits)

COLL	101	College Success (1 cr.)
ENGL	111G	Rhetoric and Composition (4 cr.)
E T	104	Soldering Techniques (1 cr.)
E T	120	Computation and Presentation Software (3 cr.)
E T	183	Applied DC Circuits (2 cr.) (Corequisite MATH 120)
E T	183L	Applied DC Circuits Lab (1 cr.)
MATH	120*	Intermediate Algebra (3 cr.)
OEBM	140	Applied Human Biology for Biomedical Technology (3 cr.)

FRESHMAN YEAR - SPRING SEMESTER (15 Credits)

E T	153	Introduction to Computer Networks (3 cr.)
E T	182	Digital Logic (3 cr.)
E T	184	Applied AC Circuits (2 cr.)
E T	184L	Applied AC Circuits Lab (1 cr.)
MATH	121G	College Algebra (3 cr.)
OEBM	141	Introduction to Medical Electronics for Biomedical Technology (3 cr.)

SUMMER (6 Credits)

COMM	265G	Principles of Human Communication (3 cr.)
	OR	COMM 253G Public Speaking (3 cr.)
ENGL	218G	Technical & Scientific Communication (3 cr.)

SOPHOMORE YEAR - FALL SEMESTER (17 Credits)

E T	246	Electronic Devices I (4 cr.)
E T	282	Digital Electronics (4 cr.)
OEBM	200	Biomedical Practicum (2 cr.)
OEBM	240	Introduction to Radiography Systems for Biomedical Technology (3 cr.)
PHYS	211G	General Physics I (3 cr.)
PHYS	211GL	General Physics I Laboratory (1 cr.)

SOPHOMORE YEAR - SPRING SEMESTER (16 Credits)

E T	262	Software Technology (3 cr.)
E T	272	Electronic Devices II (4 cr.)
E T	283	Hardware PC Maintenance (3 cr.)
OEBM	200	Biomedical Practicum (2 cr.)
PHYS	212G	General Physics II (3 cr.)
PHYS	212GL	General Physics II Laboratory (1 cr.)

Total Credits Required

72

*MATH 120 waived for students who have taken the mathematics placement examination with recommendation for MATH 121. When a 3 credit math course is waived, three additional credits of approved electives are required.

A grade of C or better required in all courses.