

ENGINEERING TECHNOLOGY (BIOMEDICAL EQUIPMENT) - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2024-2025 Catalog

A grade of C- or better is required in all courses.

Total Credits Required for Degree: 60

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education Requirements		
Select one course from four of the following six content areas for a total of 12-14 credits. ^{1,2}		12-14
This degree requires courses from Areas I, II, III, and IV.		
Area I: Communication		
ENGL 1110G	Composition I	
Area II: Mathematics		
MATH 1220G	College Algebra ³	
Area III: Laboratory Science ⁴		
Select any area III Laboratory Science course (4 credits) ²		
Area IV: Social/Behavioral Sciences		
SOCI 1110G	Introduction to Sociology	
or PSYC 1110G	Introduction to Psychology	
General Education Elective		
COMM 1115G	Introduction to Communication	3
Program Requirements		
ET 104	Soldering Techniques	1
ET 120	Computation Software	3
ET 153	Fundamentals of Networking Communications	3
ET 182	Introduction to Digital Logic	2
ET 183	Applied DC Circuits	3
ET 184	Applied AC Circuits	3
ET 246	Electronic Devices I	4
ET 273	Advanced Networking Communications	4
ET 283	Hardware PC Maintenance	3
ELT 103	Math Study Skills for Electronics ⁴	2
Biomedical Equipment Concentration Courses		
OEBM 140	Applied Human Biology for Biomedical Technology	3
OEBM 141	Medical Electronics and Safety in Healthcare	3
OEBM 200	Biomedical Internship ⁵	4
OEBM 211	CBET Exam Preparation	1
OEBM 241	Advanced Medical Electronics	3
Elective Course⁶		1-3
Total Credits		60

² See the General Education Section (<https://catalogs.nmsu.edu/alamogordo/general-information/general-education-new-mexico-common-core/>) of the catalog for a full list of courses.

³ MATH 1220G College Algebra is required for the degree but students may need to take prerequisites to enter the course.

⁴ Taken twice for a total of 2 cr. ELT 103 Math Study Skills for Electronics is mandatory to be taken along with E T 183 Applied DC Circuits and E T 184 Applied AC Circuits.

⁵ Taken twice for a total of 4 credits. OEBM 200 Biomedical Internship requires special registration procedures.

⁶ Elective credit may vary based on prerequisites, dual credit, AP credit, and/or certificate coursework. The amount indicated in the requirements list is the amount needed to bring the total to 60 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.

¹ Each course selected must be from a different area and students cannot take multiple courses in the same area.