

ENGINEERING TECHNOLOGY (BIOMEDICAL EQUIPMENT) - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2026-2027 Catalog

Note: Per current NMSU policy, to receive both the Electronic and Biomedical Equipment concentrations, the student must apply for them in the same semester.

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	
<i>General Education Elective</i>		
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		
BMET 1140	Applied Human Biology for Biomedical Technology	3
BMET 1141	Medical Electronics and Safety in Healthcare	3
BMET 2998	Biomedical Technology Internship ⁵	4
BMET 2211	CBET Exam Preparation	1
BMET 2241	Advanced Medical Electronics	3

Elective Course ⁶	1-3
Total Credits	60

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

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. BMET 2998 Biomedical Technology 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.

NMSU Alamogordo 2026-2027 Catalog

A Suggested Plan of Study

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

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

First Year		
Fall		Credits
ET 104	Soldering Techniques	1
ET 120	Computation Software	3
ET 153	Fundamentals of Networking Communications	3
ET 183	Applied DC Circuits	3
ELT 103	Math Study Skills for Electronics	1
MATH 1220G	College Algebra	3
Credits		14
Spring		
ET 182	Introduction to Digital Logic	2
ET 184	Applied AC Circuits	3
ELT 103	Math Study Skills for Electronics	1
ENGL 1110G	Composition I	4
BMET 1140	Applied Human Biology for Biomedical Technology	3
BMET 1141	Medical Electronics and Safety in Healthcare	3
Credits		16
Second Year		
Fall		Credits
ET 246	Electronic Devices I	4
ET 273	Advanced Networking Communications	4
ET 283	Hardware PC Maintenance	3
BMET 2998	Biomedical Technology Internship	2
Elective Course ²		1-3
Credits		14

Spring

COMM 1115G	Introduction to Communication	3
BMET 2211	CBET Exam Preparation	1
BMET 2241	Advanced Medical Electronics	3
BMET 2998	Biomedical Technology Internship	2
SOCI 1110G	Introduction to Sociology	3
or PSYC 1110G	or Introduction to Psychology	
Select Area III Laboratory Science course (4 credits) ¹		4
Credits		16
Total Credits		60

¹ 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.

² 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.