

ENGINEERING TECHNOLOGY (ELECTRONICS) - 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		
<i>Select one course from four of the following six content areas for a total of 12-14 credits.</i> ^{1,2}		12-14
This degree requires courses from Areas I, II, III, and IV, students do not need to take any additional courses.		
Area I: Communications		
ENGL 1110G	Composition I	
Area II: Mathematics		
MATH 1220G	College Algebra ³	
Area III: Laboratory Science		
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
Electronics Concentration Courses		
ET 220	Internship	1
ET 253	Networking Operating Systems II	3
ET 276	Electronic Communications	3
ET 282	Digital Electronics	4
ELT 205	Semiconductor Devices	4
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.

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		Credits
Fall		
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		13
Spring		
COMM 1115G	Introduction to Communication	3
ET 104	Soldering Techniques	1
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
Credits		14
Second Year		
Fall		
ET 246	Electronic Devices I	4
ET 253	Networking Operating Systems II	3
ET 273	Advanced Networking Communications	4
ET 282	Digital Electronics	4
ET 283	Hardware PC Maintenance	3
Credits		18
Spring		
ET 276	Electronic Communications	3
ELT 205	Semiconductor Devices	4
ET 220	Internship	1
SOCI 1110G	Introduction to Sociology	3
	or PSYC 1110G or Introduction to Psychology	
Select Area III Laboratory Science course (4 credits total) ¹		4
Credits		15
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.