

# ENGINEERING TECHNOLOGY (ELECTRONICS) - 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
<b>General Education Requirements</b>		
<i>Select one course from four of the following six content areas for a total of 12-14 credits.<sup>1, 2</sup></i>		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 <sup>3</sup>	
Area III: Laboratory Science		
Select any Area III Laboratory Science course (4 credits) <sup>2</sup>		
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
<b>Program Requirements</b>		
E T 104	Soldering Techniques	1
E T 120	Computation Software	3
E T 153	Fundamentals of Networking Communications	3
E T 182	Introduction to Digital Logic	2
E T 183	Applied DC Circuits	3
E T 184	Applied AC Circuits	3
E T 246	Electronic Devices I	4
E T 273	Advanced Networking Communications	4
E T 283	Hardware PC Maintenance	3
ELT 103	Math Study Skills for Electronics <sup>4</sup>	2
<b>Electronics Concentration Courses</b>		
E T 220	Internship	1
E T 253	Networking Operating Systems II	3
E T 276	Electronic Communications	3
E T 282	Digital Electronics	4
ELT 205	Semiconductor Devices	4
<b>Total Credits</b>		<b>60</b>

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

<sup>4</sup> 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.

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

<sup>2</sup> 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.