

ENGINEERING TECHNOLOGY (ELECTRONICS) - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2023-2024 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		
<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 ⁴		
Select one from the following:		
ASTR 1115G	Introduction to Astronomy Lecture & Laboratory	
ASTR 1120G	The Planets Lecture & Laboratory	
BIOL 1120G & BIOL 1120L	Human Biology and Human Biology Laboratory	
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	
GEOL 1110G	Physical Geology	
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
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 ⁵	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 (<http://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 Check with ET faculty advisor for recommended science course.
- ⁵ Taken twice for a total of 2 cr. ELT 103 Math Study Skills for Electronics is mandatory to be taken along with ET 183 Applied DC Circuits and ET 184 Applied AC Circuits.