



**DACC to NMSU Guided Pathway
AS to BS in Electrical Engineering
2022-2023 Catalog
Doña Ana Community College**



1st SEMESTER		2nd SEMESTER		
^I ENGL 1110G Rhetoric and Composition	4	^V HUMANITIES	3	
^{III} CHEM 1215G General Chemistry I ¹	4	^{II} MATH 1511G Calculus & Analytic Geometry I	4	
ENGR 130 Digital Logic	4	ENGR 190 Introduction to Engineering Math	4	
ENGR 140 Intro. to Programming & Embedded System	4	ENGR 120 Dc Circuit Analysis	4	
Total Semester Hours		16	Total Semester Hours	
			15	

3rd SEMESTER		4th SEMESTER		
MATH 1521G Calculus II	4	PHYS 1320G/L Calculus-Based Physics II	4	
^{III} PHYS 1310G/L Calculus-Based Physics I	4	^I COMM 1115G Introduction to Communication ²	3	
EE 200 Linear Algebra, Prob. and Stat. Applications	4	C S 172 Computer Science I	4	
ENGR 230 AC Circuit Analysis	4	MATH 392 Intro. to Ordinary Differential Eq.	3	
		EE 240 Multivariate and Vector Calculus Applications	3	
Total Semester Hours		16	Total Semester Hours	
			17	

**New Mexico State University - BS in Industrial Engineering
120 Credits Minimum (includes credits from AS)**

5th SEMESTER		6th SEMESTER		
E E 300 Cornerstone Design	2	E E 317 Semiconductor Devices & Electronics I	4	
E E 320 Signals and Systems I	3	E E 325 Signals and Systems II	4	
E E 340 Fields and Waves	4	E E 362 Introduction to Computer Organization	4	
Viewing a Wider World	3	^I ENGL 2210G Prof. & Tech. Comm.	3	
Area IV: Social/Behavioral Sciences	3			
Total Semester Hours		15	Total Semester Hours	
			15	

7th SEMESTER		8th SEMESTER		
ENGR 401 Engineering Capstone I	3	ENGR 402 Engineering Capstone II	3	
E E 395 Intro. To Digital Signal Processing*	3	E E 454 Antennas and Radiation	4	
E E 462 Computer Systems Architecture*	3	E E 460 Space System Mission Design & Analysis	3	
E E 475 Automatic Control Systems*	3	Upper Level STEM Elective	3	
Area VI: Creative and Fine Arts	3	Viewing Wider World	3	
Total Semester Hours		15	Total Semester Hours	
			16	

BS in EE

Total 125

Apply for associate's degree at DACC and bachelor's degree at NMSU. Contact an academic advisor for more information.

1 Grade of C or better required.

2 Other course may apply

3 Select from C E 301, ENGR 234, M E 234, M E 240

4 See Advisor

Developmental coursework may be required.

^{I, II, III, IV, V,} and ^{VI} are New Mexico General Education Common Core courses. Refer to current NMSU Catalog for a comprehensive list.

This is not an official degree plan. Check with an academic advisor; degree plans may change in later catalogs.