

# COMPUTER INFORMATION SYSTEMS (ARTIFICIAL INTELLIGENCE) - ASSOCIATE OF APPLIED SCIENCE

CIST 2812	Fundamentals of Cybersecurity	3
<b>Total Credits</b>		<b>61-62</b>

- <sup>1</sup> Courses are identical to those offered at New Mexico State University Las Cruces (main) Campus.  
<sup>2</sup> Note the total required credits must equal at least 60 credits.

## Doña Ana Community College 2026-2027 Catalog (61-62 credits)

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.

The New Mexico General Education Requirements (<https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) can be found in the section titled, "Transfer Among New Mexico Institutions of Higher Education".

Prefix	Title	Credits
<b>General Education</b>		
<i>This degree requires courses from Areas I, II, III, and V; student do not need to take additional courses to complete the General Education requirements.</i>		17-18
Area I: Communications		
ENGL 1110G	Composition I <sup>1</sup>	
Area II: Mathematics		
MATH 1220G	College Algebra <sup>1</sup>	
	or MATH 1250G Trigonometry & Pre-Calculus	
	or MATH 1350G Introduction to Statistics	
	or MATH 1430G Applications of Calculus I	
	or MATH 1511G Calculus and Analytic Geometry I	
Area III: Laboratory Sciences		
CSCI 1115G	Modern Computing in Practice <sup>1</sup>	
Area V: Humanities		
Choose one from the following for three credits:		
PHIL 1120G	Logic, Reasoning, & Critical Thinking <sup>1</sup>	
	or PHIL 2110G Introduction to Ethics	
<b>General Education Elective</b>		
ENGL 2210G	Professional and Technical Communication <sup>1</sup>	
<b>Major Requirements</b>		
CIST 2311	Database Concepts and Principles	3
CIST 2210	Introduction to SQL (Structured Query Language)	3
CTEC 152	JAVA Programming	3
	or CSCI 1210 Java Programming	
CIST 1411	Introduction to Networks	4
CIST 2251	Python Programming II	3
CIST 1413	Network Administration Concepts	4
CIST 2321	Visual Analytics	3
CIST 2331	Predictive Analytics	3
AIML 1320	Fundamentals of Artificial Intelligence	4
AIML 2310	Deep Learning	4
Select 7 credits from approved computer-related electives. Any course with the following prefix: AIML, BCIS, C S, CSCI, E E, E T, or MATH, EXCLUDING courses used to fulfill Technical/Major Requirements. <sup>2</sup>		7