

COMPUTER INFORMATION SYSTEMS - ASSOCIATE OF APPLIED SCIENCE

(60-61 credits)

A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

The New Mexico General Education Requirements (<http://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".

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.

First Year

Fall		Credits
ENGL 1110G	Composition I	4
CTEC 180 or OECS 261	Introduction to Networking or Introduction to Networks	4
CTEC 120 or CTEC 127 or OECS 185	IT Infrastructure Support I or Introduction to Internet of Things or PC Maintenance and Repair I	3
CTEC 140 or OECS 220	Introduction to Database Design or Database Application and Design	3
Elective ¹		3
Credits		17

Spring

ENGL 2210G	Professional & Technical Communication	3
Choose one from the following:		3-4
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1350G	Introduction to Statistics	
MATH 1430G	Applications of Calculus I	
MATH 1511G	Calculus and Analytic Geometry I	
CTEC 145 or OECS 235	Introduction to Database Management or Structured Query Language (SQL)	3
CTEC 158 or CTEC 150 or OECS 145	Visual Basic Programming or Mobile Application Programming or Mobile Application Development	3
Elective ¹		3
Credits		15-16

Second Year

Fall		Credits
C S 171G	Modern Computing in Practice	4
CTEC 290 or CTEC 285 or OECS 269	Network Security or Connecting Networks or Network Security	3

CTEC 152 or OECS 195 or C S 152	JAVA Programming or Java Programming I or Java Programming	3
CTEC 156	Python Programming	3
Elective Course		3
Credits		16
Spring		
PHIL 1120G or PHIL 2110G	Logic, Reasoning, & Critical Thinking or Introduction to Ethics	3
CSEC 280 or CSEC 285	Introduction to Cyber Defense or Introduction to Managing Information Security	3
Elective ¹		6
Credits		12
Total Credits		60-61

¹ Approved Elective with prefix of BCIS, C S, CTEC, E T, ICT, or OECS