SCIENCE (COMPUTER SCIENCE) - ASSOCIATE OF SCIENCE

The Associate of Science degree allows students to complete many of the general education requirements for a bachelor's degree while still at the community college. Students should take electives that apply toward the requirements of their chosen bachelor's degree. The science electives may be taken at DACC or NMSU. *Students who wish to transfer to NMSU and major in Computer Science should consider selecting the Computer Science Concentration and follow the related Roadmap, in consultation with their advisor.*

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(60 Credits)

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits with a minimum cumulative grade-point average of at least 2.0. 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. A minimum of 15 of the total degree credits for the Associate's degree must be completed at DACC, or any other NMSU campus. The New Mexico General Education Requirements can be found in the section titled, "Transfer Among New Mexico Institutions of Higher Education".

Prefix	Title	Credits
General Education		
Area I: Communications		
ENGL 1110G	Composition I	4
ENGL 2210G	Professional and Technical Communication	3
COMM 1130G	Public Speaking	3
or COMM 1115G	Introduction to Communication	
Area II: Mathematics		
MATH 1250G	Trigonometry & Pre-Calculus	4
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences [1]		
Area III: Laboratory Sciences [1]		*8*
Area IV: Social/Behavioral Sciences [1]		*3*
Area V: Humanities [1]		3
Area VI: Creative and Fine Arts [1]		3
General Education Elective [1]		3-4
Concentration Requirements		
CSCI 1720	Computer Science I	4
CSCI 2210	Object-Oriented Programming	4
CSCI 2220	Introduction to Data Structures and Algorithms	4
Recommended STEM-H Electives		
CSCI 1240	C++ Programming I [2]	0-3
or CSCI 1220	Computer Programming Fundamentals: Python	
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4
MATH 2415	Introduction to Linear Algebra	3
Total Credits		**57-61**

[1] See the General Education (https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/)Section of the catalog for a full list of courses

[2] Not Applicable to BS or BA in Computer Science at NMSU-MA

(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.

Students must complete at least 60 credits with a minimum cumulative grade-point average of 2.0. A minimum of 15 of the total degree credits for the associate's degree must be completed at DACC, or any other NMSU campus. The New Mexico General Education Requirements can be found in the section titled, "Transfer Among New Mexico Institutions of Higher Education".

NOTE: Not all General Education ('G') courses listed below are taught at DACC. Please check DACC's current schedule for actual course offerings.

A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

First Year		
Semester 1		**Credits**
CSCI 1720	Computer Science I	4
ENGL 1110G	Composition I	4
MATH 1250G	Trigonometry & Pre-Calculus	4
Laboratory Sciences [1]		4
	Credits	**16**
Semester 2		
CSCI 2210	Object-Oriented Programming	4
ENGL 2210G	Professional and Technical Communication	3
Humanities [1]		3
Social/Behavioral Sciences [1]		3
Creative and Fine Arts [1]		3
	Credits	**16**
Second Year		
Semester 1		
CSCI 2220	Introduction to Data Structures and Algorithms	4
COMM 1130G	Public Speaking	3
or COMM 1115G	or Introduction to Communication	
MATH 1511G	Calculus and Analytic Geometry I	4
Laboratory Sciences [1]		4
	Credits	**15**
Semester 2		
MATH 1521G	Calculus and Analytic Geometry II	4
MATH 2415	Introduction to Linear Algebra	3
CSCI 1240	C++ Programming I	3
General Education Elective [1]		3-4
	Credits	**13-14**
	Total Credits	**60-61**

[1] See the General Education (https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/)Section of the catalog for a full list of courses