



DACC to NMSU Aggie Pathway
AS to BS in Computer Science
2021-2022 Catalog



Doña Ana Community College - Associate of Science - 60 credits Minimum

1st SEMESTER		2nd SEMESTER	
^I ENGL 1110G Rhetoric and Composition	4	MATH 1521G Calculus and Analytic Geometry II #	4
^{II} MATH 1511G – Calculus and Analytic Geometry I #	4	C S 273 Machine Programming and Organization#	4
C S 172 Computer Science I#	4	C S 271 Object Oriented Programming#	4
^{IV} SOCIAL/BEHV SCIENCES	3	^V HUMANITIES	3
Total Semester Hours		Total Semester Hours	
15		15	

3rd SEMESTER		4th SEMESTER	
C S 278 Discrete Mathematics for Computer Science#	4	^I ENGL 2210G Technical and Scientific Communication	3
C S 272 Intro to Data Structures	4	C S 370 Compilers and Automata Theory#	3
^I COMM 1115G * Intro to Communication	3	^{VI} Creative and Fine Arts	3
STAT 371 Statistics for Engineers and Scientists I*	3	^{III} Lab Science	4
STEM-H ELECTIVE	3	MATH 2415 Intro. To Linear Algebra*	3
Total Semester Hours		Total Semester Hours	
17		16	

Opt-in for associate's degree at DACC. Contact an academic advisor for more information.

New Mexico State University - BS in Computer Science
120 Credits Minimum (includes credits from AS)

5th SEMESTER		6th SEMESTER	
C S 372 Data Structures and Algorithms	4	C S 471 Program Language Structure I	3
C S 371 Software Development #	4	C S 482 Database Management Systems I	3
Viewing a Wider World (See NMSU online catalog)	3	C S 382 Modern Web Technologies	3
^{III} Lab Science	4	Viewing a Wider World (See NMSU online catalog)	3
		Elective	3
Total Semester Hours		Total Semester Hours	
15		15	

7th SEMESTER		8th SEMESTER	
C S 475 Artificial Intelligence I	3	C S 448 Senior Project	4
C S 473 Architectural Concepts I	4	C S 419 Computing Ethics & Social Implications of Computing	1
MATH 392 Intro. to Ordinary Differential Equations	3	CS 476 Computer Graphics I	3
C S 474 Operating Systems I	3	Elective	3
Elective	3		
Total Semester Hours		Total Semester Hours	
16		11	

BS: Computer Science

Total Credits

120

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

Grade of C or better required. **This is not an official degree plan. Check with an academic advisor; degree plans may change in later catalogs.**

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

Part-time students may also follow this sequence. Developmental coursework may be required.