



Eastern New Mexico University  
College of Liberal Arts & Sciences  
2021-2023 Catalog

<b>Date:</b>	<b>Major:</b> Computer Science	
<b>Name:</b>	<b>Minor:</b> Optional	
<b>ID#:</b>	<b>Degree:</b> Bachelor of Science (B.S.)	

This degree plan is a guideline only. Consult with an adviser before enrolling in courses. For more detailed information on coursework and degree requirements, refer to the catalog and consult with an adviser.

**Note:** The B.S. degree requires a minimum 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

BACHELOR'S DEGREE REQUIREMENTS (6 hours)	Course	Credits	Semester	Grade
FYEX 110 First-Year Seminar	_____	3	_____	_____
Diversity/Global Upper-Division	_____	3	_____	_____

<b>GENERAL EDUCATION Requirements (31-33 hours)</b>
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REQUIREMENTS IN Computer Science (48 hours)	Course	Credits	Semester	Grade
CS 102 Computer Science Orientation	_____	1	_____	_____
CS 120 Intro to Computer Programming	_____	3	_____	_____
EET/CS 122 Programming Fundamental with C/C++	_____	3	_____	_____
CS 123 Computer Science I	_____	3	_____	_____
CS 220 Discrete Mathematics for Computer Science	_____	3	_____	_____
CS 234 Computer Science II	_____	4	_____	_____
CS 301 Programming Language Concepts	_____	3	_____	_____
CS 334 Web Application and Development	_____	3	_____	_____
CS 357 Data Structures	_____	3	_____	_____
CS 359 Database Design and Programming	_____	3	_____	_____
CS 440 Computer Networks	_____	3	_____	_____
CS 451 Design and Analysis of Algorithms	_____	3	_____	_____
CS 458 Mobile Application Development	_____	3	_____	_____
CS 459 Game Programming	_____	3	_____	_____
CS 461 Operating Systems	_____	3	_____	_____
CS 472 Software Engineering	_____	3	_____	_____

REQUIREMENTS IN Other Areas (20-21 hours)	Course	Credits	Semester	Grade
EET 110/L Circuit Analysis I	_____	3	_____	_____
EET 241/L Logic Circuits	_____	3	_____	_____
EET 340 Intro Computer Organizations/Architecture	_____	3	_____	_____
ENGL 305 Report Writing	_____	3	_____	_____
MATH 1510 Calculus I	_____	4	_____	_____
MATH 1520 Calculus II	_____	4	_____	_____
BCIS 301 Information Systems for Managers	_____	3	_____	_____
<b>1 course from the following (3-4 hours):</b>				
MATH 1350, or STAT 313, 403 or 417	_____	3-4	_____	_____

<b>ELECTIVES</b> As needed to fulfill requirement of 120 total credit hours.
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