



METROPOLITAN STATE UNIVERSITYSM
OF DENVER

College of Professional Studies

Department of Computer Sciences, B.S.

Minor (not required)

Fall 2021 catalog year

First Year		
Fall: 18 Credits	Written Communication (3) ENG1010	
	COMM1010 (3) Presentational Speaking	
	CS 1030 (4) Computer Science Principles	
	CS 1050 (4) Computer Science I	
	MTH1410 (4) Calculus I*	
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Spring: 18 Credits	Written Communication (3) ENG 1020	
	Historical: Multicultural Recommended (3)	
	CS 2050 (4) Computer Science II	
	CS 1400 (4) Computer Organization I	
	MTH2410 (4) Calculus II	

Third Year		
Fall: 16-18 Credits	Social and Behavioral Sciences - Global Diversity Recomm. (3)	
	CS 3210 (4) Principles of Programming Languages	
	PHI 3370 (3) Computers, Ethics, and Society	
	Req. Science/GS Nat. Science - App. Science with lab (3-5)	
	Art and Humanities (3)	
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Spring: 13-15 Credits	Social and Behavioral Sciences (3)	
	Req. Science/ GS Nat. Science: Approved Science (3-5)	
	Upper Division CS Elective (3)	
	Upper Division CS Elective (4)	

Second Year		
Fall: 16 Credits	CS 3250 (4) Software Development Methods & Tools	
	CS2240 (4) Discrete Structures for Computer Science	
	CS 2400 (4) Computer Organization II	
	MTH 3130 (4) Applied Methods in Linear Algebra	
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Spring: 18 Credits	JMP 2610 (3) Technical Writing	
	CS 3600 (4) Operating Systems	
	CS3240 (4) Intro to Theory of Computation	
	Arts and Humanities (3)	
	MTH 3120 (4) Probability and Statistics	

Fourth Year		
Fall: 12 Credits	CS 4050 (4) Algorithms and Algorithm Analysts	
	Senior Experience (4) CS4260 - Software Engineering Practices OR CS 4360-Technical Software Project	
	Upper Division CS Elective (4)	
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Spring: 12 Credits	Free Elective (4)	
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* Requires Prerequisites

1. This is not the only ordering of classes, but classes must be taken in an order that satisfies the prerequisites for subsequent classes.
2. All Prerequisite and Major/Minor/ Ancillary courses require a C- or greater.
3. A minimum of 7 credits are needed to meet the Science Requirement.
4. Take Free Electives as needed to meet the total 120 credit requirement.