METROPOLITAN STATE UNIVERSITY℠
OF DENVER
College of Professional Studies

Department of Computer Sciences, B.S.
Minor (not required)
Fall 2023 Catalog Year

First Year				Third Year			
Fall:	CS 1030: Computer Science Principles	4		Fall:	CS 3240: Introduction to the Theory of Computation	2	
14 Credits	COMM 1010: Presentational Speaking or COMM 1100: Fundamentals of Oral Communication	3		13-15 Credits	CS 3250: Software Development Methods and Tools	4	
	ENG1010: Composing Arguments	3			MTH 3120: Probability and Statistics	4	
	MTH1110: MTH College Algebra for Calculus	4			Natural & Physical Science, See Accepted Science Courses	3-5	
		14				13-15	
Spring:	ENG 1020: Research and Argument Writing	3		Spring:	CS 3210: Principles of Programming Languages	4	
17 Credits	CS 1050: Computer Science I	4		15 Credits	CS 3600: Operating Systems	4	
	CS 1400: Computer Organization I	4			PHI 3370: Computers, Ethics, and Society	3	
	MTH1120: College Trigonmetry	3			MTH 3130: Applied Methods in Linear Algebra	4	
	Social and Behavioral Science + Global Diversity	3				15	
		17					

Second Year				Fourth Year			
Fall:	Art and Humanities General Studies Requirement	3		Fall:	CS 4050: Algorithms Analysis	4	
18 Credits	CS 2050: Computer Science II	4		16 Credits	CS 3700: Networks and Distributed Computing	4	
	CS 2400: Computer Organization II	4			CS Upper Division Elective	4	
	MTH1410: Calculus I	4			CS Upper Division Elective	4	
		15				16	
Spring:	CS 2240: Discrete Structures of CS	4		Spring:	CS 4360: Senior Experience in Computer Science	4	
13-15 Credits	Social and Behavioral Science General Studies Requirement	3		14 Credits	CS Upper Division Elective	4	
	JMP 2610: Intro to Technical Writing	3			Arts and Humanities	3	
	Natural & Physical Science, See Accepted Science Courses	3-5			Historical + Multicultural	3	
		13-15				14	

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 6 credits are needed to meet the Science Requirement.

5. Take Free Electives as needed to meet the total 120 credit requirement.