Tentative: Course offerings are subject to change.

4	e: Course offerings are subject to cha	inge			/~		/. /			6	/	1. / 4.
	Course Name		/3	5/		20/	3/2			Ÿ,	ري ري	Notes
Cours	Course Name		degi	ITIT	43	ditie	301111		inn's	43/	lini	Spirits Notes
CPSC 5001	Programming Boot Camp I	3	/ら x	″ 	X	<i>y</i>		ς» χ		X	/	
CPSC 5002	Programming Boot Camp II	3	X	\dashv	Х			$\frac{x}{x}$	_	$\frac{x}{x}$		
CPSC 5005	Data Structures	3	 	х		Х		_	x l	Ĥ	Х	
CPSC 5011	Object-Oriented Concepts	3	Н	X	Х			_	_	х		
CPSC 5021	Database Systems	3	Н	X		Х		_	$\frac{x}{x}$	$\stackrel{\sim}{+}$	Х	
CPSC 5031	Algorithms	3	Н	Ĥ	Х	Х		+	-	х	X	
CPSC 5041	Computing Systems Principles I	3	Н	Х	Х	\sim		+	-	X		
CPSC 5041	Computing Systems Principles II	3	Н	Ĥ	X	Х		+	_	X	Х	
CPSC 5070	Programming for Data Science	3	Н	Х	^	^		+	х	^	^	Not for MSCS students
	Data Management for Data Science	3	Н	^	Х			+	_	Х		Not for MSCS students
CPSC 5071	Data Architectures for Analytics	3	Н	\dashv	^			+	+	^		Not for MSCS students, may or may not be offered
CPSC 5080	,	3	Н	\dashv				+	+	\dashv		
	Al for Buinsess & Analytics	_	Н	· ·				+	$\frac{1}{\sqrt{1-x^2}}$	\dashv		Not planned to be offered
	Fundamentals of Software Engineering	5	Н	Х		Х		+	Х	\dashv	Χ	May not be offered in Winter 25. See CPSC 5810 / 5820 note.
CPSC 5120	Software Project Management	3	Н	\dashv	X			+	+		.,	May not be offered in Wiffler 25. See CF3C 3610 / 3620 flote.
CPSC 5200	Software Architecture and Design	5	Ш		Χ	Х		+	_	Х	Χ	
CPSC 5210	Software Testing and Debugging	5	Ш	Х		Х		-	Х	_	Χ	
CPSC 5220	User Experience Design	5	ш	_		Χ		4	4	_	Χ	
CPSC 5240	Software as a Service	5	ш	Х		Χ		_	х		Χ	
CPSC 5250	Mobile Software Development	5	Ш	_	Χ			4	_	Х		
CPSC 5260	Refactoring and Software Design	5	Ш	_	Χ			_	4	Х		
CPSC 5270	Graphics / Game Project	5	Ш			Χ					Χ	
CPSC 5300	Physical Database Design & Optimization	5	Ш		Χ				_	Х		
CPSC 5305	Introduction to Data Science	3	Ш	Х					Х			Only open to students in MSCS-data science specialization
CPSC 5310	Machine Learning	5	Ш		Χ					Х		
CPSC 5320	Visual Analytics	3				Х					Χ	
CPSC 5330	Big Data Analytics	3				Х					Χ	
CPSC 5340	Text Processing and Search	5	П							х		One data science elective will be offered in winter quarter. In
CPSC 5350	Social Media Analytics	5	П							^ [Winter 2025, will be special topics on Large Language Models.
CPSC 5400	Compiler Principles & Techniques	5	П			Х				T	Χ	
CPSC 5510	Computer Networks	5	П			Х			T		Χ	
CPSC 5520	Distributed Systems	5	П	Х	Χ				х	Х		
CPSC 5530	Embedded Systems	5	П	\neg				1	寸	T		Not planned to be offered
CPSC 5600	Parallel Computing	5	П	Х	Х			T	х	х		,
	Artificial Intelligence	5	ш	Х	Х	Χ		_	х	寸	Х	
	Computer Graphics	5	Н	X	H			_	x	1		
	Security in Computing	5	H	x		\vdash		_	x	\dashv		
	Ethics & Professional Issues in Computing	2	H	Х	Х	Х		_	_	Х	Х	
CPSC 5810	Software Engineering Project I	4	\vdash	X	^			_	nus	_		In 25-26, planning to have a 3-quarter capstone project. A course
CPSC 5820	Software Engineering Project II	4	Н	^`	Х			Η'		ı fall		comparable to CPSC 5120 will be part of the project.
CPSC 5830	Data Science Capstone Project	5	\vdash	\dashv	X	\vdash		+		Х		
CPSC 5890	Seminar	3	\vdash	Х	X	Х		+	_	X	Χ	
CPSC 5890	Special Topics: Cloud Computing	5	$\vdash \vdash$	^	^	X		+	^ +	^	<u>^</u>	Satisfies software development requirement
CPSC 5910	Special Topics: Cloud Computing Special Topics: Large Language Models	5	\vdash	\dashv	Χ	^		+	+	\dashv	^	Satisifies data science elective
		5	\vdash	\dashv	٨	V		+	+	\dashv	Х	Satisfies data science elective
CPSC 5910	Special Topics: Web Development	4	닏	rra	2000	Х	7		ran	مدم	-	
CPSC 5990	Graduate Research Project	4		ıııdl	nged	ı		ar	rran	ged		

Courses numbered CPSC 5001-5042 are part of the Computer Science Fundamentals Certificate. Individual courses may be restricted to students in that program.

Courses numbered CPSC 5070-5080 are for students in other graduate programs.

Courses numbered CPSC 5110-5990 are part of the MS-Computer Science program. Individual courses are restricted to students in that program.

Please see catalog for course prerequisites.



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