

# DEGREE REQUIREMENTS FOR INTERDISCIPLINARY COMPUTING (as of FALL 2025)

Updated September 2025

Name \_\_\_\_\_ Class of \_\_\_\_\_ CPSC GPA \_\_\_\_\_ (from Transcript)

Computer Science Core Requirements			Coordinate Courses - need 6 to 7 courses in the coordinate discipline to be chosen in consultation with the coordinate advisor.					
Sem	Grade	Course	Sem	Grade	Course	Sem	Grade	Course
_____	_____	CPSC 115L Introduction to Computer Science	_____	_____	.....	_____	_____	.....
_____	_____	CPSC 215L Data Structures and Algorithms	_____	_____	.....	_____	_____	.....
_____	_____	CPSC 203 Math Found. of Computing	_____	_____	.....	_____	_____	.....
_____	_____	.....	_____	_____	.....	_____	_____	.....

**Cognate Requirements**

*For students coordinating with a discipline in the natural and social sciences:*

Sem	Grade	Course
_____	_____	MATH 131 Calculus I
and one additional numeric or symbolic reasoning course from the following list: (if MATH, must be 107 or higher)		
_____	_____	POLS 242 Political Science Research Methods
_____	_____	PSYC 221L Research Design and Analysis
_____	_____	SOCL 201L Research Methods in the Soc. Sciences
_____	_____	MATH .....

*For students coordinating with a discipline in the arts and humanities:*

_____	_____	MATH 127 Functions, Graphs & Modeling	OR	Eligibility to enroll in MATH 131 (and one additional MATH course to be specified in a study plan):
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and one additional MATH course:

_____	_____	MATH .....
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**Computer Science Electives - need 3 courses appropriate to the coordinate discipline, to be chosen in consultation with the computer science advisor**

Sem	Grade	Course	Sem	Grade	Course
_____	_____	CPSC 110 Essentials of Computing with Python	_____	_____	CPSC 340 Principles of Software Engineering
_____	_____	CPSC 219 Theory of Computation	_____	_____	CPSC 352 Artificial Intelligence
_____	_____	CPSC 225 Topics in Application Programming	_____	_____	CPSC 372 Database Fundamentals
_____	_____	CPSC 275L Introduction to Computer Systems	_____	_____	CPSC 375 High-Performance Computing
_____	_____	CPSC 304 Computer Graphics	_____	_____	CPSC 360 Deep Learning
_____	_____	CPSC 310 Software Design	_____	_____	CPSC 385 Computer Security
_____	_____	CPSC 315 Systems Software	_____	_____	CPSC 395 Sensitive Information in a Connected World
_____	_____	CPSC 316 Foundations of Programming Languages	_____	_____	CPSC 415 Special Topics in Computing
_____	_____	CPSC 320 Analysis of Algorithms			
_____	_____	CPSC 333 Computer Networks			

**Senior Exercise (Seminar + Project)**

Sem	Grade	Course	Sem	Grade	Course
_____	_____	CPSC 403	_____	_____	CPSC 498
_____	_____	CPSC 404	_____	_____	CPSC 499

Students must register for all four separately. They also receive separate grades.

# Interdisciplinary Computing

## Recommended Course Load

**FALL**

**SPRING**

1st year	Freshman Seminar CPSC 115L Introduction to Computer Science <hr/> <hr/>	CPSC 215L Data Structures and Algorithms CPSC 203 Math Found. of Computing <hr/> <hr/>
2nd year	Cognate Course 1 Coordinate Course 1 <hr/> <hr/>	Cognate Course 2 Coordinate Course 2 <hr/> <hr/>
3rd year	Coordinate Course 3 Coordinate Course 4 <hr/> <hr/>	CS Elective 1 Coordinate Course 5 <hr/> <hr/>
4th year	CPSC 403 Senior Seminar CPSC 498 Senior Project CS Elective 2 Coordinate Course 6 <hr/> <hr/>	CPSC 404 Senior Seminar CPSC 499 Senior Project CS Elective 3 Coordinate Course 7 <hr/> <hr/>