

2023-2024

**BS.CPSC.MATH - Bachelor of Science in Computer Science, Math
Specialization**
Sample 4 Year Educational Plan

*This is a sample and not the only way to complete this plan. Number of credits are in parentheses. *Some classes have prerequisites.*

Year 1

Fall	Winter	Spring	Steps for Success
CPSC 1420 Programming and Problem Solving I (5)	CPSC 1430 Programming and Problem Solving II (5)	CPSC 2430 Data Structures (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval!
MATH 1334 Calculus I (5)	MATH 1335 Calculus II (5)	MATH 1336 Calculus III (5)	<input type="checkbox"/> Take advantage of tutoring!
UCOR Module I (5)	UCOR Module I (5)	UCOR Module I (5)	<input type="checkbox"/> Get involved on campus and with ACM!

Year 2

Fall	Winter	Spring	Steps for Success
CPSC 2500 Computer Organization (5)	CPSC 3300 Fundamentals of Databases (5)	CPSC 3500 Computing Systems (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval!
MATH 3000 Intro to Advanced Mathematics (5)	MATH 2320 Linear Algebra (5)	MATH 2340 Differential Equations (5)	<input type="checkbox"/> Go to office hours!
UCOR Module I (5)	MATH 2330 Multivariable Calculus (5)	UCOR Module II* (5)	<input type="checkbox"/> Ask for help!
	UCOR Module II* (5)		

Year 3

Fall	Winter	Spring	Steps for Success
CPSC 3200 Object-Oriented Development (5)	CPSC 4100 Algorithms (5)	CPSC 3400 Languages & Computation (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval!
MATH 2310 Probability & Statistics (5)	PHYS 1210 Mechanics & PHYS 1211 Mechanics Lab (5)	MATH Elective (3000 level or higher) (5)	<input type="checkbox"/> Work on career prep activities!
UCOR Module II* (5)	UCOR Module III* (5)	UCOR Module III* (5)	<input type="checkbox"/> Look for a summer internship!

Year 4

Fall	Winter	Spring	Steps for Success
CPSC 4870 Software Engineering & Proj Dev I (5)	CPSC 4880 Software Engineering & Proj Dev II (3)	CPSC 4890 Software Engineering & Proj Dev III (3)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval!
CPSC 4800 Technical Communications (3)	MATH Elective (3000 level or higher) (5)	MATH Elective (3000 level or higher) (5)	<input type="checkbox"/> Apply for graduation!
CPSC Elective (4000-level) (5)	UCOR Module III* (5)	General Elective (5)	<input type="checkbox"/> Career search or graduate school applications!
General Elective (3)	General Elective (3)		

University Core Requirements

UCOR classes are listed in the sample plan by what module is recommend. See below for UCOR course titles listed by Module. See my.seattleu.edu for prerequisites and www.seattleu.edu/core for course descriptions. Honors and Matteo Ricci students have different Core requirements.

Module I

UCOR 1100 Academic Writing Seminar
~~*UCOR 1200 Quantitative Thinking (satisfied in major)*~~
UCOR 1300 Creative Expression & Interpretation
UCOR 1400 Inquiry Seminar in the Humanities
UCOR 1600 Inquiry Seminar in the Social Sciences
~~*UCOR 1800 Inquiry Seminar in the Natural Sciences (satisfied in major)*~~

Module II

UCOR 2100 Theological Explorations
UCOR 2500 Philosophy of the Human Person
UCOR 2900 Ethical Reasoning

Module III

UCOR 3100 Religion in a Global Context
UCOR 3400 Humanities and Global Challenges
UCOR 3600 Social Sciences and Global Challenges
~~*UCOR 3800 Natural Sciences and Global Challenges (satisfied in major)*~~

Important Major Information

- Credits in Major: 119
- Minimum Major GPA: 2.5 (some scholarships may require higher)
- Minimum Cumulative GPA: 2.5 (some scholarships may require higher)
- A grade of C or better is required at CPSC courses that are used to satisfy major requirements.
- Assumes placement into MATH 1334 (Calculus I) by SAT/ACT, placement exam, or college credit.
- CPSC 2600 can be taken instead of CPSC 3000. MATH 3000 is recommended to be better prepare for MATH electives.
- MATH 3411 can be taken instead of MATH 2310.
- Math electives must be 3000-level or higher. MATH 3000 and 3411 cannot be used as math electives.
- Math electives that are cross listed with computer science electives may be used as either a math elective or as a computer science elective but not both.
- Students make 5000-level CPSC electives to satisfy elective requirements with permission of chair. Up to ten credits of 5000-level CPSC electives may apply towards the Master of Science in Computer Science degree at Seattle University.
- Please see my.seattleu.edu for elective options

Resources for Success

- Map out your own plan through My.SeattleU.edu
- Meet with a Career Coach from the [Career Engagement Center](#)
- Sign up for academic support with [Learning Assistance Programs](#)
- Explore career options at the [“What Can I Do with This Major”](#) page
- Learn more about academic advising on the [Advising Services](#) page



Use MySeattleU Student Planning to plan your courses and work closely with your academic advisor on your educational plan. You are responsible for knowing information and tracking changes.

Contact your Advising Center for support.

Science & Engineering Advising

se-adv@seattleu.edu

Seattle U Advising Services

<http://www.seattleu.edu/advising>