| 2024-2025 | Bachelor of Science in Computer Science | 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

CS Course	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)	☐ Meet with your academic advisor quarterly for registration approval
MATH 1334 Calculus I (5)	MATH 1335 Calculus II (5)	MATH 1336 Calculus III (5)	☐ Take advantage of tutoring!
UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	☐ 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)	☐ Meet with your academic advisor quarterly for registration approval
CPSC 2600 Foundations of Computer Science (5)	MATH 2310 Probability & Statistics (5)	PHYS 1210 Mechanics & PHYS 1211 Mechanics Lab (5)	☐ Go to office hours!
UCOR 1XXX University Core (5)	UCOR 2XXX University Core (5)	UCOR 2XXX University Core (5)	☐Ask for help!

Year 3

Fall	Winter	Spring	Steps for Success
CPSC 3200 Object-Oriented Development (5)	CPSC 4100 Algorithms (5)	CPSC 3400 Languages & Computation (5)	☐ Meet with your academic advisor quarterly for registration approval
Science Elective (5)	Science Elective (5)	CPSC Elective (4000-level) (5)	☐ Work on career prep activities!
UCOR 2XXX University Core (5)	UCOR 3XXX University Core (5)	UCOR 3XXX University Core (5)	☐ Look for summer internships!

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)	☐ Meet with your academic advisor quarterly for registration approval
CPSC 4800 Technical Communications (3)	CPSC Elective (4000-level) (5)	CPSC Elective (4000-level) (5)	☐ Apply for graduation!
CPSC Elective (4000-level) (5)	UCOR 3XXX University Core (5)	General Elective (5)	☐Career search or graduate school applications!
MATH 2320 Linear Algebra (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: 122
- Minimum Major GPA: 2.0 (some scholarships may require higher)
- Minimum Cumulative GPA: 2.0 (some scholarships may require higher)
- Some CPSC classes may have a minimum grade requirement for credit toward major.
- Assumes placement into MATH 1334 (Calculus I) by SAT/ACT, placement exam, or college credit and assumes MATH 1022 (Trigonometry) not needed due to placement exam or college credit.
- 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.
- Entry into the Senior Capstone Requires: 120 credits completed, two completed 3000 level CPSC classes AND 1 additional 3000 or 4000 level CPSC class, as well as a GPA in good standing in the major.

Resources for Success

- Map out your own plan through My.SeattleU.edu
- Meet with a Career Advisor from the Career Engagement Office
- Sign up for academic support with Learning Assistance Programs
- Learn more about academic advising on the Advising Services page

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