Bachelor of Arts in Mathematics

2024-2025 | **Sample 4 Year Educational Plan**

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

Year 1

Fall	Winter	Spring	Steps for Success
MATH 1334 - Calculus I (MATH 1022 Trig must be satisfied) (5)	MATH 1335 - Calculus II (5)	MATH 1336 – Calculus III (5)	☐ Meet with your academic advisor quarterly for registration approval
UCOR 1XXX University Core (5)	Programming Elective (e.g. CPSC 1220) (5)	Cognate Elective (5)	☐ Use MySeattleU Student Planning to plan your courses
UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	☐ Work closely with your academic advisor on your educational plan

Year 2

Fall	Winter	Spring	Steps for Success
MATH 2330 -- Multivariable Calculus (3)	MATH 2340 – Differential Equations (4)	MATH 3000 – Advanced Mathematics (5)	☐ Meet with your academic advisor quarterly for registration approval
MATH 2320 – Linear Algebra (3)	UCOR 1XXX University Core (5)	MATH 3001 – Math Communication: (2)	☐ You are responsible for knowing information and tracking changes
Cognate Elective (5)	General Elective (5)	UCOR 2XXX University Core (5)	☐ Sign up for academic support with Learning Assistance Programs
General Elective (5)		General Elective (3)	

Year 3

Fall	Winter	Spring	Steps for Success
MATH 4421 – Abstract Algebra I or MATH 4431 – Real Analysis I (5)	MATH Elective – 3000 level + (5)	MATH Elective – 3000 level + (5)	☐ Meet with your academic advisor quarterly for registration approval
UCOR 2XXX University Core (5)	UCOR 2XXX University Core (5)	UCOR 3XXX University Core (5)	☐ Explore career options at the "What Can I Do with This Major" page
General Elective (5)	General Elective (5)	General Elective (5)	

Year 4

Fall	Winter	Spring	Steps for Success
MATH 4481 – Senior Synthesis I (2)	MATH 4482 – Senior Synthesis II (2)	MATH 4483 – Senior Synthesis III (1)	☐ Apply for graduation on MySeattleU ☐ Finalize Education Plan
UCOR 3XXX University Core (5)	UCOR 3XXX University Core (5)	General Elective (12)	☐ Register for Math GRE (If considering graduate school)
General Elective (10)	General Elective (10)		☐ Attend career events ☐ Post Grad Planning

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.

Core Module I Requirements

UCOR 1100 Academic Writing Seminar
~~*UCOR 1200 Quantitative Reasoning*~~ (*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 Science

Core Module II Requirements

UCOR 2100 Theological Explorations
UCOR 2500 Philosophy of the Human Person
UCOR 2900 Ethical Reasoning **OR UCOR 2920** Ethical Reasoning Health Care

Core Module III Requirements

UCOR 3100 Religion in a Global Context
UCOR 3400 Humanities & Global Challenges
UCOR 3600 Social Sciences & Global Challenges
Or **UCOR 3800-3840** Natural Sciences & Global Challenges

Important Major Information

- Credits in Major: 63
- Minimum Overall Credits: 180
- Minimum Major GPA: 2.0 (some scholarships may require higher)
- 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
- Learn more about academic advising on the Advising Services page

Curriculum Notes

- Assumes trigonometry (MATH 1022) not needed due to placement exam or college credit
- Assume placement into MATH 1334 by SAT/ACT/SU math placement exam or college credit
- Cognate electives include computer science, economics, psychology, and/or natural science approved by advisor. Must include at least one CPSC app or course.
- MATH 3000 level option**: MATH 3411 Probability, MATH 3440 Nonlinear Systems and Modeling, MATH 3450 Introduction to Numerical Methods MATH 3001 – Math Communication is highly recommended and may count as a MATH elective Up to 5 credits of Undergraduate Research or Directed Research may count as MATH elective