

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)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> Use MySeattleU Student Planning to plan your courses <input type="checkbox"/> Work closely with your academic advisor on your educational plan
UCOR 1XXX University Core (5)	PHYS 1210/1211 – Mechanics/Lab (5)	General Elective (5)	
UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	

**Year 2**

Fall	Winter	Spring	Steps for Success
MATH 2320 – Linear Algebra (3)	MATH 2340 – Differential Equations (4)	MATH 3000 – Advanced Mathematics (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> You are responsible for knowing information and tracking changes <input type="checkbox"/> Sign up for academic support with Learning Assistance Programs
MATH 2330 -- Multivariable Calculus (3)	Cognate Elective (e.g. CPSC 1220) (5)	MATH 3001 – Math Communication: (2)	
UCOR 2XXX University Core (5)	General Elective (7)	UCOR 2XXX University Core (5)	
General Elective (5)		General Elective (5)	

**Year 3**

Fall	Winter	Spring	Steps for Success
MATH 4421 – Abstract Algebra I or MATH 4431 – Real Analysis I (5)	MATH 3440 – Nonlinear Systems or MATH 3450 – Numerical Methods (5)	MATH 4440 – Fourier Analysis or MATH Elective – 3000 level+ (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> Explore career options at the “What Can I Do with This Major” page
MATH 3411 - Probability or MATH 3430 – Complex Variables (5)	UCOR 3XXX University Core (5)	UCOR 3XXX University Core (5)	
UCOR 2XXX University Core (5)	Cognate Elective (3)	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)	<input type="checkbox"/> Apply for graduation on MySeattleU <input type="checkbox"/> Finalize Education Plan

Fall	Winter	Spring	Steps for Success
MATH 4421 – Abstract Algebra I or MATH 4431 – Real Analysis I (5)	MATH 3440 – Nonlinear Systems or MATH 3450 – Numerical Methods (5)	MATH 4440 – Fourier Analysis or MATH Elective – 3000 level+ (5)	<input type="checkbox"/> Register for Math GRE (If considering graduate school) <input type="checkbox"/> Attend career events <input type="checkbox"/> Post Grad Planning
MATH 4990 – Undergrad Research (1)	MATH 4990 – Undergrad Research (1)	MATH 4990 – Undergrad Research (1)	
UCOR 3XXX University Core (5)	General Elective (5)	General Electives (10)	

## 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](http://my.seattleu.edu) for prerequisites and [www.seattleu.edu/core](http://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 in Natural Sci. (satisfied in major)*

### Core Module II Requirements

**UCOR 2100** Theological Explorations

**UCOR 2500** Philosophy of the Human Person

**UCOR 2900** Ethical Reasoning

### 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** Natural Sciences Global Challenge

## Important Major Information

- Credits in Major Minimum: 89-93
- Overall Credits Minimum: 180
- GPA Major Minimum: 2.5
- GPA Cumulative Minimum: 2.5

## Resources for Success

- Map out your own plan through [My.SeattleU.edu](http://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
- Assumes placement into MATH 1334 by SAT/ACT/SU Math Placement Exam or college credit
- Cognate electives include computer science, economics, and/or natural science approved by advisor. Must include at least one CPSC app or programming course.
- MATH 4990 will be waived for students completing NSF REU experience, senior design project, or other approved research project in another department
- With chair approval, 10 credits upper division work in computer science or natural science may be substituted for 10 credits in mathematics
- MATH 3001 – Math Communication is highly recommended and can count as a math elective

**SEATTLEU.**

COLLEGE OF  
SCIENCE AND ENGINEERING

Contact your Advising Center for support.

**Science & Engineering Advising**

[se-adv@seattleu.edu](mailto:se-adv@seattleu.edu)

**Seattle U Advising Services**

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