# Bachelor of Science in Mathematics

**DEGREE REQUIREMENTS**

- **Credits:** minimum of 180 credits
- **Credits in major:** 83-85
- **GPA cumulative minimum:** 2.0
- **GPA major minimum:** 2.0

- 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 prog 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
- MATH 4000 level option*: MATH 4421 Abstract Algebra I, MATH 4422 Abstract Algebra II, MATH 4431 Real Analysis I, MATH 4432 Real Analysis II, MATH 4440 Applied Fourier Analysis

**TYPICAL 4 YEAR PROGRAM OF STUDY 2019-2020**

## CORE MODULE I REQUIREMENTS

- UCOR 1100 Academic Writing Seminar
- UCOR 1200 Quantitative Reasoning – satisfied in major
- UCOR 1300 Creative Expression and Interpretation
- UCOR 1400 Inquiry Seminar in the Humanities
- UCOR 1600 Inquiry Seminar in the Social Sciences
- UCOR 1800 Inquiry Seminar Natural Sci.

## TYPICAL 4 YEAR PROGRAM OF STUDY 2019-2020

### FALL

<table>
<thead>
<tr>
<th>COURSE</th>
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<tr>
<td><em>MATH 1334 - Calculus I</em></td>
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<td>*MATH 1335 - Calculus II</td>
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<td>UCOR 1XXX University Core</td>
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<td>Programming Elective (e.g., CPSC 1220)</td>
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<td>*MATH 2330 – Multivariable Calculus</td>
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<td>*MATH 2340 – Differential Equations</td>
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<td>*MATH 2320 – Linear Algebra</td>
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<td>*MATH 4482 – Senior Synthesis II</td>
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## CORE MODULE II REQUIREMENTS

- UCOR 2100 Theological Explorations
- UCOR 2500 Philosophy of the Human Person
- UCOR 2900-2940 Ethical Reasoning
- 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

## CORE MODULE III REQUIREMENTS

### CURRICULUM NOTES

- [TYPICAL 4 YEAR PROGRAM OF STUDY 2019-2020](http://catalog.seattleu.edu/)
- Work closely with your academic advisor to plan your program of study and the other co-curricular components of your educational plan.

**SCIENCE AND ENGINEERING ADVISED CENTER**

206.296.2500, Engineering 300
8:30am – 4:30pm Monday - Friday


*This is a sample plan that is subject to change.*