# Bachelor of Arts in Mathematics

**Typical 4 Year Program of Study**

**2020-2021**

## Degree Requirements

- **Credits**: minimum of 180 credits
- **Credits in major**: 63
- **GPA cumulative minimum**: 2.0
- **GPA major minimum**: 2.0

### 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, 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

As shown 182 credits.

For complete information on courses, pre-requisites, etc., use this information in conjunction with the online Catalog ([http://catalog.seattleu.edu/](http://catalog.seattleu.edu/)) for the current year.

The example below assumes you have completed no degree requirements. Your personal program of study may vary from this due to prior educational experience or individual goals.

### Credits Indicators

- `p` Indicates prerequisite required for course
- `C` Indicates co-requisite required for course

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<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>FALL</strong></td>
<td>MATH 1334 - Calculus I (MATH 1022 Trig must be sat)*</td>
<td>5</td>
<td>MATH 1335 - Calculus II</td>
<td>5</td>
<td>MATH 1336 – Calculus III</td>
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<td></td>
<td>UCOR 1XXX University Core</td>
<td>5</td>
<td>Programming Elective (e.g. CPSC 1220)</td>
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<td>Cognate Elective</td>
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<td><strong>FALL</strong></td>
<td>MATH 2320 – Linear Algebra</td>
<td>3</td>
<td>MATH 2330 – Multivariable Calculus</td>
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<td>MATH 2340 – Differential Equations</td>
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<td>General Elective</td>
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<td>Cognate Elective</td>
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<td><strong>FALL</strong></td>
<td>MATH 4421 – Abstract Algebra I</td>
<td>5</td>
<td>MATH 4431 – Real Analysis I</td>
<td>5</td>
<td>MATH Elective (3000 level or above)</td>
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<td>UCOR 2XXX University Core</td>
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<td>UCOR 2XXX University Core</td>
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<td>UCOR 3XXX University Core</td>
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<td><strong>FALL</strong></td>
<td>MATH 4481 – Senior Synthesis I</td>
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<td>MATH 4482 – Senior Synthesis II</td>
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<td>MATH 4483 – Senior Synthesis III</td>
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### 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. –

### Core Module II Requirements

- UCOR 2100 Theological Explorations
- UCOR 2500 Philosophy of the Human Person
- UCOR 2900-2940 Ethical Reasoning
- UCOR 2XXX University Core

### Core Module III Requirements

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

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Science and Engineering Advising Center
206.296.2500, Engineering 300
8:30am – 4:30pm Monday - Friday
[http://www.seattleu.edu/scieng/advising/](http://www.seattleu.edu/scieng/advising/)

This is a sample plan that is subject to change. Work closely with your academic advisor to plan your program of study and the other co-curricular components of your educational plan.

Updated 6/15/2020