### Bachelor of Science in Mathematics Specialization in Applied Mathematics

#### DEGREE REQUIREMENTS
- **Credits:** minimum of 180 credits
- **Credits in major:** 89-93
- **GPA cumulative minimum:** 2.5
- **GPA major minimum:** 2.5

#### TYPICAL 4 YEAR PROGRAM OF STUDY

#### 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 applications 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

For complete information on courses, pre-requisites, etc., use this information in conjunction with the online Catalog (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.

* Indicates prerequisite required for course  
C Indicates co-requisite required for course

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### FALL

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<tr>
<th>COURSE</th>
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<tr>
<td>MATH 1334 - Calculus I * MATH 1022 Trig must be</td>
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<td>MATH 1335 - Calculus II</td>
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<td>MATH 1336 – Calculus III</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 3000 – Intro to Advanced Mathematics</td>
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<td>MATH 4440 – Applied Fourier Analysis</td>
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<td>MATH 4440 – Applied Fourier Analysis</td>
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<td>MATH Elective (3000 level or above)</td>
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<td>Or MATH 4431 – Real Analysis I</td>
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<td>Cognate Elective</td>
<td>3</td>
<td>General Elective</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. – satisfied in major

### CORE MODULE II REQUIREMENTS
- UCOR 2100 Theological Explorations
- UCOR 2500 Philosophy of the Human Person
- UCOR 2900-2940 Ethical Reasoning
- Or UCOR 3800 Natural Sciences Global Challenge

### CORE MODULE III REQUIREMENTS
- UCOR 3100 Religion in a Global Context
- UCOR 3400 Humanities & Global Challenges
- UCOR 3600 Social Sciences & Global Challenges

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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/

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 9/18/2017