# MATH

# Bachelor of Science in Mathematics
# Specialization in Actuarial Mathematics

## TYPICAL 4 YEAR PROGRAM OF STUDY

## 2014-201

| DEGREE REQUIREMENTS | CURRICULUM NOTES |
|---|---|
| **Credits: minimum of 180 credits**<br>**Credits in major: 88-90**<br>**GPA cumulative minimum: 2.0**<br>**GPA major minimum : 2.0** | • Assumes trigonometry (MATH 1322) not needed due to placement exam or college credit<br>• Assume placement into MATH 1334 by SAT/ACT/SU math placement exam or college credit; student not placing into MATH 1334 will need to take MATH 1321 as elective<br>• MATH electives 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<br>• FINC electives FINC 3420 Intermediate Corporate Finance, FINC 3430 financial Institutions and Markets, FINC 3440 Investments<br>**For complete information on courses, prerequisites, etc, use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.** |

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

| | FALL | | WINTER | | SPRING | |
|---|---|---|---|---|---|---|
| | COURSE | CREDITS | COURSE | CREDITS | COURSE | CRE |
| FRESHMAN | MATH 1334 -- Calculus I | 5 | MATH 1335 – Calculus II | 5 | MATH 1336 – Calculus III | 5 |
| | UCOR 1XXX University Core | 5 | Programming Elective | 5 | UCOR 1XXX University Core | 5 |
| | UCOR 1XXX University Core | 5 | UCOR 1XXX University Core | 5 | General Elective | 5 |
| OPHOMORE | MATH 2330 -- Multivariable Calculus | 3 | MATH 2340 – Differential Equations | 4 | MATH 3000 – Intro to Advanced Mathematics | 5 |
| | MATH 2320 – Linear Algebra | 3 | ECON 2110 -- MicroEconomics | 5 | ACCT 2300 – Principles of Accounting | 5 |
| | ECON 2130 -- MacroEconomics | 5 | UCOR 2XXX University Core | 5 | UCOR 2XXX University Core | 5 |
| | UCOR 1XXX University Core | 5 | | | | |
| JUNIOR | MATH 3150 – Financial Mathematics | 5 | MATH 3412 – Mathematical Statistics | 5 | FINC Elective | 5 |
| | Or MATH 3411 -- Probability | | FINC 3400 – Business Finance | 5 | General Elective | 8 |
| | MATH elective | 5 | UCOR 3XXX University Core | 5 | | |
| | UCOR 2XXX University Core | 5 | | | | |
| SENIOR | MATH 3150 – Financial Mathematics | 5 | General Elective | 10 | MATH 4483 – Senior Synthesis III | 1 |
| | Or MATH 3411 -- Probability | | MATH 4482 – Senior Synthesis II | 2 | General Elective | 12 |
| | MATH elective | 5 | UCOR 3XXX University Core | 5 | | |
| | UCOR 3XXX University Core | 5 | | | | |
| | MATH 4481 – Senior Synthesis I | 2 | | | | |

| CORE MODULE I REQUIREMENTS | CORE MODULE II REQUIREMENTS | CORE MODULE III REQUIREMENTS |
|---|---|---|
| UCOR 1100 Academic Writing Seminar | UCOR 2100 Theological Explorations | UCOR 3100 Religion in a Global Context |
| UCOR 1200 Quantitative Reasoning-**satisfied in major** | UCOR 2500 Philosophy of the Human Person | UCOR 3400-3440 Humanities Global Challenge |
| UCOR 1300 Creative Expression and Interpretation | UCOR 2900-2940 Ethical Reasoning | UCOR 3600-3640 Social Sciences Global Challenge |
| UCOR 1400-1440 Inquiry Seminar in the Humanities | | Or UCOR 3800-3840 Natural Sciences Global Challenge |
| UCOR 1600-1640 Inquiry Seminar in the Social Sciences | | |
| UCOR 1800-1840 Inq Sem in the Natural Sciences | | |

**COLLEGE OF SCIENCE & ENGINEERING**
**Advising Center, ENGR 300**

**Work closely with your academic advisor to plan your progr of study and the other co-curricular components of y educational pl**