MATH

Bachelor of Science in Mathematics
Specialization in Actuarial Mathematics

TYPICAL 4 YEAR PROGRAM OF STUDY

2014-2015

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in major: 88-90** **GPA cumulative minimum: 2.0** **GPA major minimum : 2.0**	• Assumes trigonometry (MATH 1322) not needed due to placement exam or college credit • 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 • 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 • FINC electives FINC 3420 Intermediate Corporate Finance, FINC 3430 financial Institutions and Markets, FINC 3440 Investments **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	CREDITS
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 program of study and the other co-curricular components of your educational plan.