MATH	Bachelor of Science in Mathematics, Specialization in Applied Mathematics	TYPICAL JUNIOR TRANSFER PROGRAM OF STUDY	2014-2015

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in major:** 88-93 **GPA cumulative minimum:** 2.5 **GPA major minimum:** 2.5	• Cognate electives include computer science, economics, and/or natural science approved by advisor. Must include at least one computer science applications or programming course. • MATH 4990 will be waived for students completing NSR 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 **For complete information on courses, prerequisites, etc, use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.**

The example below assumes that you enter Seattle University with junior standing (90 credits), have earned a transferable associate's degree, and have successfully completed courses that transfer for MATH 134, 135, 136, 232, 233, and 234.

Students with AST may have additional core requirements depending on community college coursework

Your personal program of study may vary from this example due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
JUNIOR	MATH 3430 – Complex Variables	5	MATH 3440 - Nonlinear Systems and Modeling	5	MATH 3000 – Intro to Advanced Mathematics	5
	Or MATH 3411 -- Probability		PHYS 1210 - Mechanics	5	MATH 4440 -- Applied Fourier Analysis	5
	Cognate Elective	5	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5
	UCOR 2XXX University Core	5				
SENIOR	MATH 4421 – Abstract Algebra I	5	MATH 4422 – Abstract Algebra II	5	MATH Elective (3000 level)	5
	Or MATH 4431 – Real Analysis I		Or MATH 4432– Real Analysis II		Cognate Elective	8
	MATH 4481 – Senior Synthesis I	2	MATH 3450 – Numerical Methods	5	MATH 4483 – Senior Synthesis III	1
	MATH 4990 – Undergraduate Research	2	MATH 4482 – Senior Synthesis II	2	MATH 4990 – Undergraduate Research	1
	UCOR 3XXX University Core	5	MATH 4990 – Undergraduate Research	2		
			General Elective	2		

CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS	SCHOOL/COLLEGE CORE REQUIREMENTS
UCOR 2100 Theological Explorations	UCOR 3400-3440 Humanities Global Challenge	
UCOR 2500 Philosophy of the Human Person		
UCOR 2900-2940 Ethical Reasoning		

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.