MATHEMATICS | Bachelor of Science in Mathematics with a Specialization in Applied Mathematics | TYPICAL JUNIOR TRANSFER PROGRAM OF STUDY | 2020-2021

DEGREE REQUIREMENTS

Credits: 180

Credits in major: 89-93

GPA cumulative minimum: 2.5

GPA major minimum: 2.5

CURRICULUM NOTES

- 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 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

The example below assumes that you have completed the prerequisites below:

Enter with Junior standing (90 credits)
Have earned a transferable Associate's degree
A full year of calculus and 1 quarter each multivariable calc, differential equations, and linear algebra, calc based physics

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

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

[P] Indicates prerequisite required for course [C] Indicates co-requisite required for course

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.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	[C]OURSE	CREDITS	COURSE	CREDITS
JUNIOR	[P]MATH 3430 – Complex Variables	5	[P]MATH 3440 - Nonlinear Systems and Modeling	5	[P]Cognate Elective (CPSC 1220)	5
	Or [P]MATH 3411 – Probability		Or [P]MATH 3450 – Numerical Methods		[P]MATH 4440 -- Applied Fourier Analysis	5
	[P]MATH 3000 – Intro to Advanced Mathematics	5	[P]MATH Elective (3000 level)	5	Or [P]MATH Elective (3000 level)	
	[C]MATH 3001 Math Communication	2	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5
	UCOR 2XXX University Core	5				
SENIOR	[P]MATH 4421 – Abstract Algebra I	5	[P]MATH 4422 – Abstract Algebra II	5	[P]MATH Elective (3000 level)	5
	Or [P]MATH 4431 – Real Analysis I		Or MATH 4432– Real Analysis II		Or MATH 4440 – Applied Fourier Analysis	
	[P]MATH 4481 – Senior Synthesis I	2	[P]MATH 3450 – Numerical Methods	5	Cognate Electives	8
	[P]MATH 4990 – Undergraduate Research	1	Or [P]MATH 3440 - Nonlinear Systems and Modeling		[P]MATH 4483 – Senior Synthesis III	1
	UCOR 3400 University Core	5	[P]MATH 4482 – Senior Synthesis II	1	[P]MATH 4990 – Undergraduate Research	1
			[P]MATH 4990 – Undergraduate Research	2	General Electives	2

CORE MODULE I REQUIREMENTS	CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS	
	UCOR 2100 Theological Explorations	UCOR 3400 Humanities Global Challenges	
	UCOR 2500 Philosophy of the Human Person		
	UCOR 2900-2940 Ethical Reasoning		

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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 6/15/2020