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

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: 180 **Credits in major:** 83-88 **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 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. • Math-Choose list: MATH 3430 Intro to Comp Var, MATH 3411 Prob, MATH 3440 Nonlinear Sys and Modeling, MATH 3450 Intro to Num Methods, MATH 4440 Appl Fourier Analysis Up to 5 credits of Undergraduate Research or Directed Research may count as MATH electives 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 multivariable calculus, linear algebra, differential equations and introduction to advanced math (MATH 3000 equiv)** 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	COURSE	CREDITS	COURSE	CREDITS
JUNIOR	[P]MATH 4421 –Abstract Algebra I	5	[P]MATH 4422 –Abstract Algebra II	5	[P]MATH Elective	5
	Or [P]MATH 4431 – Real Analysis I		Or MATH [P]4432 – Real Analysis II		Cognate Elective	5
	Cognate Elective	5	Cognate Elective (CPSC 1220 e.g.)	5	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 4483 – Senior Synthesis III	1
	Or [P]MATH 4431 – Real Analysis I		Or [P]MATH 4432– Real Analysis II		[P]MATH 4990 – Undergraduate Research	1
	[P]MATH 4481 – Senior Synthesis I	2	[P]MATH 4482 – Senior Synthesis II	2	[P]MATH Elective	5
	[P]MATH 4990 – Undergraduate Research	1	[P]MATH 4990 – Undergraduate Research	2	Cognate Elective	5
	UCOR 3400 University Core	5	[P]MATH Elective	5	Elective	5

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

SEATTLEU COLLEGE OF SCIENCE AND ENGINEERING

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