| 2023-2024 | Bachelor of Science in Mathematics – Applied Specialization | Sample 2 Year Educational Plan |

The example below assumes that when you enter Seattle University you have completed the following:

- **Enter with Junior standing (90 credits)**
- **Have earned a transferable Associate's Degree**
- **Have a full year of Calculus and 1 quarter each of Multivariable Calc, Differential Equations, and Linear Algebra, Calc- based Physics**

Students with Associate's Degree may have additional core requirements depending on community college coursework.

Visit the **Transfer Equivalency Guide** on the Transfer Tools site for more information on how your credits may transfer to SU: https://www.seattleu.edu/registrar/transfer-tools/. Some courses not listed on the Transfer Equivalency Guide may still transfer to SU. For courses not found on this tool, compare course descriptions with SU's course catalog to determine equivalent courses at your college/university: http://catalog.seattleu.edu/

This is a sample and not the only way to complete this plan.

Number of credits are in parentheses.

Note that some classes have prerequisites.

Year 1

Fall	Winter	Spring	Steps for Success
MATH 3411 – Probability or MATH 3430 – Complex Variables (5)	MATH 3440 – Nonlinear Systems & Modeling or MATH 3450 – Numerical Methos (5)	MATH 4440 – Fourier Analysis or MATH Elective – 3000 level (5)	☐ Meet with your academic advisor quarterly for registration approval
MATH 3000 – Advanced Mathematics (5)	MATH Elective – 3000 level (5)	Cognate Elective (CPSC 1220) (5)	☐ Explore career options at the "What Can I Do with This Major" page
MATH 3001 – Math Communication (2)	UCOR 2XXX – University Core (5)	UCOR 2XXX – University Core (5)	
UCOR 2XXX – University Core (5)			

Year 2

Fall	Winter	Spring	Steps for Success
MATH 4481 – Senior Synthesis I (2)	MATH 4482 – Senior Synthesis II (2)	MATH 4483 – Senior Synthesis III (1)	
MATH 4421 – Abstract Algebra I or MATH 4431 – Real Analysis I (5)	MATH 3440 – Nonlinear Systems or MATH 3450 – Numerical Methods (5)	MATH 4440 – Fourier Analysis or MATH Elective – 3000 level (5)	☐ Apply for graduation on MySeattleU
MATH 4990 – Undergrad Research (1)	MATH 4422 – Abstract Algebra II or MATH 4432 Real Analysis II (5)	MATH 4990 – Undergrad Research (1)	☐ Finalize educational plan ☐ Register for Math GRE (If considering graduate school)
UCOR 3400 – University Core (5)	MATH 4990 – Undergrad Research (2)	Cognate Electives (8)	☐ Attend career events ☐ Post grad planning
		General Elective (2)	

University Core Requirements

UCOR classes (SU's general education courses) are listed in the sample plan by what module is recommended. See below for UCOR course titles listed by Module. See my.seattleu.edu for prerequisites and www.seattleu.edu/core for course descriptions. Honors and Matteo Ricci students have different Core requirements.

Module I

The assumption is that 2-year students have completed equivalent courses.

Module II

UCOR 2100 Theological Explorations
UCOR 2500 Philosophy of the Human Person
UCOR 2900 Ethical Reasoning

Module III

UCOR 3400 Humanities and Global Challenges

Important Major Information

- **Overall Credits Minimum:** 180
- **Credits in major Minimum:** 89-93
- **GPA cumulative minimum:** 2.5
- **GPA major minimum:** 2.5

Resources for Success

- Map out your own plan through My.SeattleU.edu
- Meet with a Career Coach from Career Engagement Office
- Sign up for academic support with Learning Assistance Programs
- Explore career options at the "What Can I Do with This Major" page
- Learn more about academic advising on the Advising Services page

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 waved for students completing NSF REU experience, senior design project or other approved research project.
- 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