MATHEMATICS MINOR

Program Description

A minor in Mathematics is an excellent complement to majors in many quantitatively oriented disciplines, including Engineering, Computer Science, Physics, Chemistry, and Economics. If you intend to minor in Mathematics, begin by completing the calculus sequence: MAT 1234 Calculus I, MAT 1235 Calculus II, and MAT 1236 Calculus III, which are prerequisite to most upper-division courses.

Entering and Completing the Minor

In order to earn a degree, you must complete at least one academic major. Minors are not required except for students in the Professional Studies (BA). SPU encourages students to explore various academic paths, including minors, so if you change your mind about a minor or want to include an additional minor, you are able to do so as outlined below.

Note that the University encourages you to enter your chosen minor(s) as soon as you have determined it and are eligible to join it, especially by the start of your junior year. Students who transfer as juniors and seniors should enter a minor within their first two quarters at SPU.

- If this is your first quarter at SPU, request entrance to your minor in Banner by following these instructions (https://spu.atlassian.net/l/cp/Th4S0jCE/).
- If you are an SPU student with an SPU cumulative GPA of 2.0 or better, follow these instructions (https://spu.atlassian.net/l/cp/Th4S0jCE/) to enter a minor in this department.
- The University requires a grade of C- or better in all classes that apply to a minor; however, programs may require higher minimum grades in specific courses. You may repeat an SPU course only once for a higher grade.
- To advance in this program, meet with your faculty advisor regularly to discuss your grades, course progression, and other indicators of satisfactory academic progress. If your grades or other factors indicate that you may not be able to successfully complete the minor, your faculty advisor can work with you to explore options, which may include choosing a different minor.
- You must complete the minor requirements that are in effect in the SPU Undergraduate Catalog for the year you enter the minor.

Mathematics Minor

30 Credits Minimum, Including 15 Upper Division (UD)

Code	Title	Credits
General Core		
MAT 1234	Calculus I	5
MAT 1235	Calculus II	5
MAT 1236	Calculus III	5
Section Credits Required		15
Mathematics Electives (including 15 UD)		
Select 15 UD credits from the following.		15
MAT 3237	Differential Equations	
MAT 3238	Vector Calculus	
MAT 3333	Statistical Modeling	
MAT 3360	Probability and Statistics	
MAT 3380	Introduction to Data Science	
MAT 3401	Number Theory	
MAT 3724	Applied Analysis	
MAT 3730	Complex Variables	
MAT 3749	Introduction to Analysis	
MAT 4363	Mathematical Statistics	
MAT 4402	Modern Algebra I	
MAT 4725	Numerical Analysis	
MAT 4830	Mathematical Modeling	
MAT 4898	Senior Capstone Seminar	
MAT 4900	Independent Project/Design in Mathematics	
MAT 4920	Mathematical Modeling Contest	
MAT 4960	UG Mathematics Research	
Section Credits Required		15
Total Credits		**30**

Additional Requirements and Information

Prerequisites such as MAT 2360, 2401, 2720 may be required