MATHEMATICS, MINOR

Mathematics has often been referred to as the "language of the sciences" because of the fundamental way in which the sciences depend on it. In modern society, its applications extend well beyond the sciences to many diverse fields including engineering, finance, economics, supply chain management, sports analytics, statistics, and data science. The Mathematics Minor prepares students for the mathematical rigors of these fields. It also provides outstanding preparation for anyone planning to attend many graduate programs including engineering, finance, economics, and data science.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Mathematics, Minor Program Page (https://www.sru.edu/academics/majors-and-minors/mathematics/)

Mathematics and Statistics Department Page (https://www.sru.edu/academics/colleges-and-departments/ches/departments/mathematics-and-statistics/)

Professional Licensure/Certification Page (https://www.sru.edu/students/student-consumer-information/professional-licensures/)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- Students enrolled in both the Minor in Mathematics and the Minor in Statistics must complete at least 9 credits in each of these minors that are NOT being counted in the other.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Mathematics Courses		
MATH 225	Calculus I	4
MATH 230	Calculus II	4
MATH 231	Calculus III	4
Additional Courses		
Select three of the following:		9
MATH 131	Discrete Mathematics	
MATH 232	Linear Algebra [1]	
or MATH 240	Linear Algebra and Differential Equations	
MATH 235	Foundations of Mathematical Proof	
MATH 301	Differential Equations I	
MATH 302	Differential Equations II	
MATH 304	Geometric Structures	
MATH 311	Deterministic Models of Operations Research	
MATH 312	Stochastic Models of Operations Research	
MATH 313	Introductory Analysis I	
MATH 314	Introductory Analysis II	
MATH 315	Numerical Mathematics	
MATH 317	Complex Variables	
MATH 320	Theory of Numbers	
MATH 325	Abstract Algebra I	
MATH 326	Abstract Algebra II	
MATH 331	Mathematical Methods of Physics [2]	
MATH 335	Mathematical Modeling	
MATH 411	Partial Differential Equations	
STAT 350	Applied Statistics	
STAT 352	Mathematical Statistics I	
STAT 353	Mathematical Statistics II	
Total Hours		**21**

[1] Indicates that students may count at most one of MATH 240 or MATH 232 in this minor.

[2] In all students' programs, MATH 331 may be counted as a mathematics course or as a physics course, but not both.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University*.

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Mathematics (52A)
This program is effective as of Fall 2022
Revised 05.31.2023
UCC 10.05.2021