

MIDDLE SCHOOL MATHEMATICS, MINOR

SRU's minor in Middle School Mathematics is a useful add-on for students planning to teach secondary math, or non-math subjects in middle school. Future secondary teachers gain deeper insight into teaching students at the younger end of their Grades 7-12 certification, and future middle school teachers in English, Social Studies, or Science can enhance their ability to handle a dual-subject assignment with just 3-4 extra courses beyond what their major already requires. This additional credential can help a teacher's job application to stand out among the competition: it highlights flexibility, reliability, and potential for greater creativity and depth in teaching math.

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

Related Links

Middle School Mathematics, Minor Program Page (<https://www.sru.edu/academics/majors-and-minors/middle-school-math-minor/>)

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-licensure/>)

Curriculum Guide

GPA Requirement

2.0 or higher Minor GPA

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- A minimum of 6 credit hours must be upper division (coursed numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Students majoring in Middle Level Education: Mathematics (in the Department of Secondary Education/Foundations of Education) may NOT declare this minor.
- Middle Level Education majors (in the Department of Secondary Education/Foundations of Education) CANNOT apply SEFE 200 to the Middle School Mathematics Minor.
- Students enrolled in both the Minor in Middle School Mathematics and the Minor in Elementary School Mathematics must complete at least 9 credits in each of these minors that are NOT being counted in the other.

Code	Title	Hours
Required Mathematics Courses		
Select one of the following:		3
MATH 118	Elementary Geometry	
MATH 304	Geometric Structures ¹	
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
Select one of the following:		3

SEFE 311	Teaching of Mathematics in the Middle School
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers ²
Additional Courses	
Select three of the following: 9-12	
MATH 113	Mathematics as a Liberal Art
MATH 117	Quantitative Reasoning
MATH 122	Finite Mathematics with Matrices
MATH 125	Precalculus
MATH 131	Discrete Mathematics ¹
MATH 225	Calculus I ¹
MATH 230	Calculus II ¹
MATH 231	Calculus III ¹
MATH 232	Linear Algebra ¹
MATH 235	Foundations of Mathematical Proof ¹
MATH 240	Linear Algebra and Differential Equations ¹
MATH 320	Theory of Numbers ¹
SEFE 200	Introduction to Education, Teaching Methods and Field
STAT 124	Introduction to Survey Methods
STAT 152	Elementary Statistics I
STAT 252	Introduction to Statistical Modeling
STAT 318	Statistical Study Design

Total Hours 21-24

¹ May not be used by Mathematics majors as courses that count toward the Middle School Mathematics minor.

² ELEC 340 has an off-campus field component and requires appropriate teacher clearances. Contact the instructor before enrolling in ELEC 340

* 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 Middle School Math (52C)

This program is effective as of Summer 2022

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UCC 08.18.2022