

ELEMENTARY EDUCATION: K-8 MATH AND SCIENCE, MASTER OF EDUCATION (MED)

The M.Ed. K-8 Mathematics and Science Education Program is designed for certified teachers who are interested in developing understanding of mathematics and science curricula and materials appropriate for their classrooms. Candidates will review current research and design and implement a research project that focuses on mathematics or science in an appropriate setting. Courses are offered in blocks during Summer and Winter Terms. Candidates may enter the program during either term. The program is composed of 30 credits. There are no electives.

All courses in this program are online. Each candidate must have a computer with speakers and microphone to participate in the courses. In addition to the general requirements for admission to graduate studies at SRU, applicants for the M.Ed. K-8 Math/Sci Program must submit the following:

- Transcript(s) for all undergraduate and graduate work completed prior to the application, with a minimum 3.0 undergraduate GPA are required.
- A legible copy of the applicant's current teaching certificate must be submitted.
- A resume indicating teaching experiences (including substitute teaching) is required.

Applicants may be offered "conditional admission," if the graduate coordinator believes the applicants can be successful in the chosen program, but, for some reason, the candidate does not meet all the application criteria at the time the application is submitted. Conditionally admitted applicants must have a 3.0 GPA upon the completion of the first 12 credits of coursework, and must remove any conditions prior to that time, or they will be unable to continue in the program.

All candidates admitted to the program must apply for degree candidacy by the time they have earned a maximum of 12 credits.

Related Links

Elementary Education - K-8 Math and Science, MEd Program Page (<https://www.sru.edu/academics/graduate-programs/elementary-education-k-8-math-and-science-master-of-education/>)

Elementary Education/Early Childhood Education Department Page (<https://www.sru.edu/academics/colleges-and-departments/coe/departments/elementary-education-/early-childhood/>)

K-8 Math/Science Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/graduate/fs%20-%20ELED%20K-8.pdf>)

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

Curriculum Guide

Code	Title	Hours
Professional Core		
ELEC 660	Advanced Technologies for the Teaching of Mathematics and Science	3
ELEC 691	History of Mathematics Education	2

ELEC 692	History of Science	2
ELEC 699	Teacher Action Research in the Mathematics/Science Classroom	3
Subtotal		10
Elementary Education - K-8 Math/Science		
ELEC 601	Introduction to Educational Research	3
ELEC 636	A Survey of the Mathematics Curriculum K-8	3
ELEC 638	Curriculum Materials for K-8 Science	3
ELEC 664	Problem Solving in K-8 Education	3
ELEC 667	Science & Engineering Concepts for K-8 Teachers	3
ELEC 668	Mathematics Content for K-8 Teachers	3
ELEC 705	Seminar in Mathematics and Science Education Research	2
Subtotal		20
Total Hours		30

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

Major Code: 9153

Recommended Course Sequence

Summer Term Start

Code	Title	Hours
Summer 1		
ELEC 664	Problem Solving in K-8 Education	3
ELEC 667	Science & Engineering Concepts for K-8 Teachers	3
ELEC 668	Mathematics Content for K-8 Teachers	3
Subtotal		9
Winter Term 1		
ELEC 601	Introduction to Educational Research	3
ELEC 638	Curriculum Materials for K-8 Science	3
Subtotal		6
Summer 2		
ELEC 636	A Survey of the Mathematics Curriculum K-8	3
ELEC 660	Advanced Technologies for the Teaching of Mathematics and Science	3
ELEC 699	Teacher Action Research in the Mathematics/Science Classroom	3
Subtotal		9
Winter Term 2		
ELEC 691	History of Mathematics Education	2

ELEC 692	History of Science	2
ELEC 705	Seminar in Mathematics and Science Education Research	2
Subtotal		6
Total Hours		30

*** This document is meant to serve as a guide. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.*

Winter Term Start

Course	Title	Hours
First Year		
Winter		
ELEC 601	Introduction to Educational Research	3
ELEC 638	Curriculum Materials for K-8 Science	3
	Hours	6
Summer		
ELEC 636	A Survey of the Mathematics Curriculum K-8	3
ELEC 660	Advanced Technologies for the Teaching of Mathematics and Science	3
ELEC 699	Teacher Action Research in the Mathematics/Science Classroom	3
	Hours	9
Second Year		
Winter		
ELEC 691	History of Mathematics Education	2
ELEC 692	History of Science	2
ELEC 705	Seminar in Mathematics and Science Education Research	2
	Hours	6
Summer		
ELEC 664	Problem Solving in K-8 Education	3
ELEC 667	Science & Engineering Concepts for K-8 Teachers	3
ELEC 668	Mathematics Content for K-8 Teachers	3
	Hours	9
	Total Hours**	30

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