

ELEMENTARY EDUCATION/ EARLY CHILDHOOD - K-8 MATH/SCIENCE

MASTER OF EDUCATION

DEPARTMENT OF ELEMENTARY EDUCATION/EARLY CHILDHOOD EDUCATION

COLLEGE OF EDUCATION



DELIVERY METHOD

100% online

START TERMS

Summer or Winter term

COMPLETION TIME

Two years

NUMBER OF CREDITS

30 credits



SlipperyRock
University

A member of Pennsylvania's State System
of Higher Education

EXPERIENCE THE DIFFERENCE

www.sru.edu/graduate

PROGRAM DESCRIPTION

The Master of Education in Elementary Education Math and Science is a 30-credit hour online program designed to assist certified teachers in becoming leaders in the instruction of mathematics and science through special emphasis on the integration of the two content areas. Graduate candidates in this program do not take courses in math and science content, but rather, take courses to improve their ability to teach math and science by utilizing the tools of technology and state/national standards, and by examining exemplary curricula in math and science. The program functions as a cohort group that will enter in the summer or winter terms only and completes the coursework over four semesters. Courses are offered once a year and must be taken in sequence to finish the program in one year.

PROGRAM HIGHLIGHTS

The M.Ed. in Elementary Education Math and Science offers:

- Flexibility to fit your busy schedule with classes taught 100% online
- A 30-credit hour cohort program that can be completed in four semesters, starting in the summer and winter terms only
- Curriculum material that focuses on the Common Core State Standards
- Knowledge of new technology, changing markets, and licensing requirements
- The Standard Aligned System (SAS) requirements to fulfill Level II certification

ADMISSION REQUIREMENTS

All applicants must submit the following materials along with a completed online graduate application and non-refundable application fee:

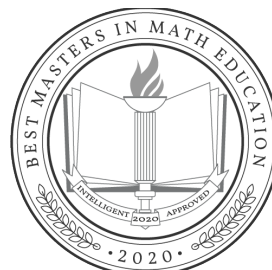
- Official undergraduate degree transcript indicating an overall 3.0 GPA or higher and any graduate transcripts (if applicable)
- A resume specifying the candidate's professional education employment history and current status (student-teaching, tenured, non-tenured; full-time, part-time) with a school district
- A copy of current teaching certification(s) or a letter from the certifying university showing that requirements for a teaching certification have been met and that the certification application is currently being processed. This can be from any state

Applicants who do not meet all of the above criteria may be offered conditional admission upon recommendation of the graduate coordinator and approval by the Director of Graduate Admissions

TUITION AND FINANCIAL AID

Information on current tuition can be found on the main Graduate Admissions website at www.sru.edu/graduate. Financial Aid brochures are available through the Financial Aid Office www.sru.edu/FinAid or the Office of Graduate Admissions.

PROGRAM AWARDS



CURRICULUM (30 CREDITS)

Courses are offered once a year and it is in the best interest of the student to follow the course sequence shown below to begin either in the summer or winter term. This program will take two years to complete.

SUMMER TERM START	WINTER TERM START
Summer I (9 credits) ELEC 664: Problem Solving in K-8 Education ELEC 667: Science & Engineering Concepts for K-8 Teachers ELEC 668: Mathematics Content for K-8 Teachers	Winter Term I (6 credits) ELEC 601: Introduction to Educational Research ELEC 638: Curriculum Materials for K-8 Science
Winter Term I (6 credits) ELEC 601: Introduction to Educational Research ELEC 638: Curriculum Materials for K-8 Science	Summer Term I: (9 credits) ELEC 636: A Survey of the Mathematics Curriculum K-8 ELEC 660: Advanced Technologies for the Teaching of Mathematics & Science ELEC 699*: Teacher Action Research in the Math/Science Classroom (pre-req ELEC 601)
Summer Term II: (9 credits) ELEC 636: A Survey of the Mathematics Curriculum K-8 ELEC 660: Advanced Technologies for the Teaching of Mathematics & Science ELEC 699*: Teacher Action Research in the Math/Science Classroom (pre-req ELEC 601)	Winter Term II: (6 credits) ELEC 691: History of Mathematics Education ELEC 692: History of Science ELEC 705*: Seminar in Mathematics and Science Education Research (pre-req ELEC 699)
Winter II Term: (6 credits) ELEC 691: History of Mathematics Education ELEC 692: History of Science ELEC 705*: Seminar in Mathematics and Science Education Research (pre-req ELEC 699)	Summer II: (9 credits) ELEC 664: Problem Solving in K-8 Education ELEC 667: Science & Engineering Concepts for K-8 Teachers ELEC 668: Mathematics Content for K-8 Teachers

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

CLEARANCES

Clearances are due no later than one (1) week prior to deadline for course registration for each program's practicum/field experience----no student will be permitted to register for their program's practicum and take part in practicum/field experiences without clearances on file at SRU. Please refer to the graduate website at www.sru.edu/graduate and select "Requirements by Program" to learn more.

TESTING AND PDE CERTIFICATION REQUIREMENTS

(to view the most updated information, go to education.pa.gov)

The educational policies and procedures are continually being reviewed and changed in keeping with the mission of the university. Consequently, this document cannot be considered binding and is intended to be used as only an informational guide. Students are responsible for being informed of official policies and regulations for meeting all appropriate requirements.

FOR QUESTIONS ABOUT ACADEMICS AND COURSE SCHEDULING:

Dr. Robert Snyder
 Graduate Coordinator
 126 McKay Education Building
 724.738.2299
robert.snyder@sru.edu

FOR QUESTIONS ABOUT ADMISSIONS:

Office of Graduate Admissions
 104 North Hall, Welcome Center
 Slippery Rock, PA 16057
www.sru.edu/graduate
 724.738.2051 or 877.SRU.GRAD
graduate.admissions@sru.edu