K-8 MATH/SCIENCE

MASTER OF EDUCATION
DEPARTMENT OF CURRICULUM, INSTRUCTION & EDUCATIONAL LEADERSHIP
COLLEGE OF EDUCATION

DELIVERY METHOD
100% online

START TERMS
Summer or Winter term

COMPLETION TIME
Two- or Four-Years

NUMBER OF CREDITS
30 credits

CAEP
Council for the Accreditation of Educator Preparation

Cohort groups will enter during the summer and winter terms and complete the 30-credit hour program in four or eight semesters.

PROGRAM DESCRIPTION

The Master of Education in K-8 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 or eight 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 K-8 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 or eight semesters, starting in the summer and winter terms only
- Curriculum material that focuses on the Common Core State Standards, National Council of Teachers of Mathematics (NCTM) Standards, and the Next Generation Science Standards (NGSS)
- Application of Science, Technology, Engineering & Math (STEM) integration into K-8 lesson design

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

Slippery Rock University

A member of Pennsylvania's State System of Higher Education

EXPERIENCE THE DIFFERENCE

www.sru.edu/graduate

SCAN QR code for more information

Slippery Rock University

EXPERIENCE THE DIFFERENCE

CURRICULUM - TWO- OR FOUR-YEARS OPTION PLAN (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 or four years to complete.

SUMMER TERM START	WINTER TERM START
Summer Term 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 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)	**Summer Term II (9 credits)** **ELEC 664:** Problem Solving in K-8 Education **ELEC 667:** Science & Engineering Concepts for K-8 Teachers K-8 Teachers **ELEC 668:** Mathematics Content for K-8 Teachers

CURRICULUM - FOUR-YEAR OPTION PLAN (30 CREDITS)

SUMMER TERM START		WINTER TERM START	
Summer Term I (3 credits) **ELEC 664:** Problem Solving in K-8 Education	**Summer Term III (6 credits)** **ELEC 636:** A Survey of the Mathematics Curriculum K-8 **ELEC 660:** Advanced Technologies for the Teaching of Mathematics & Science	**Winter Term I (3 credits)** **ELEC 601:** Introduction to Educational Research	**Winter Term III (4 credits)** **ELEC 691:** History of Mathematics Education **ELEC 692:** History of Science
Winter Term I (3 credits) **ELEC 601:** Introduction to Educational Research	**Winter Term III (4 credits)** **ELEC 691:** History of Mathematics Education **ELEC 692:** History of Science	**Summer Term I (3 credits)** **ELEC 664:** Problem Solving in K-8 Education	**Summer Term III (3 credits)** **ELEC 699*:** Teacher Action Research in the Math/Science Classroom (pre-req ELEC 601)
Summer Term II (6 credits) **ELEC 667:** Science & Engineering Concepts for K-8 Teachers **ELEC 668:** Mathematics Content for K-8 Teachers	**Summer Term IV (3 credits)** **ELEC 699*:** Teacher Action Research in the Math/Science Classroom (pre-req ELEC 601)	**Winter Term II (3 credits)** **ELEC 638:** Curriculum Materials for K-8 Science	**Winter Term IV (2 credits)** **ELEC 705*:** Seminar in Mathematics and Science Education Research (pre-req ELEC 699)
Winter Term II (3 credits) **ELEC 638:** Curriculum Materials for K-8 Science	**Winter Term IV (2 credits)** **ELEC 705*:** Seminar in Mathematics and Science Education Research (pre-req ELEC 699)	**Summer Term II (6 credits)** **ELEC 636:** A Survey of the Mathematics Curriculum K-8 **ELEC 660:** Advanced Technologies for the Teaching of Mathematics & Science	**Summer Term IV (9 credits)** **ELEC 667:** Science & Engineering Concepts for K-8 Teachers **ELEC 668:** Mathematics Content for K-8 Teachers

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:

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FOR QUESTIONS ABOUT ADMISSIONS:

Office of Graduate Admissions
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