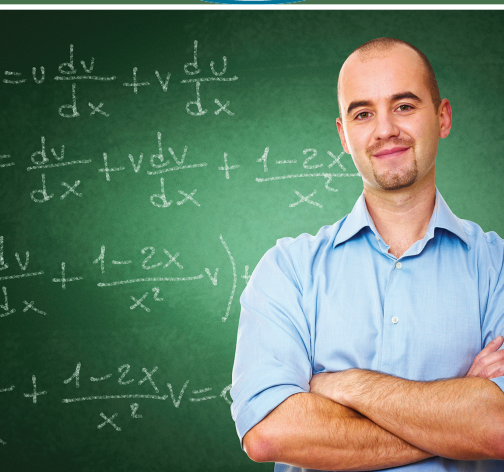


SECONDARY EDUCATION MATH/SCIENCE WITH STEM CONCENTRATION

MASTER OF EDUCATION
COLLEGE OF EDUCATION

www.sru.edu/medstem



SlipperyRock
University

A member of Pennsylvania's State System
of Higher Education

EXPERIENCE THE DIFFERENCE

www.sru.edu/graduate

PROGRAM HIGHLIGHTS

Impact the future and explore the possibilities of teaching by earning a Master of Education in Secondary Education. SRU's M.Ed. in Secondary Education has two tracks; a basic track and an advanced track. The basic track is for students seeking certification and the advanced track is for certified teachers.

SRU's master's degree in Secondary Education offers:

- Flexibility to fit your busy schedule. The basic track offers both onsite and online classes, and the advanced track can be completed exclusively online
- A 36-credit hour program that can be completed in one calendar year
- Leadership skills geared to advancing your career to the next level
- Specialization in mathematics and science

BASIC TRACK

The basic teaching track in Secondary Education Teaching – Math/Science is a degree designed for individuals who possess a baccalaureate degree and appropriate coursework in mathematics or one of the secondary science subject areas of biology, chemistry, geology or physics. Successful completion of the program will lead to a master's degree and can lead to state certification. Students can complete the 36-semester hour program in one calendar year of full-time study, beginning with the summer pre-session and ending with student teaching in the fall or spring. However, students may begin any term.

ADVANCED TRACK (ONLINE) - STEM CONCENTRATION

The advanced teaching track in Secondary Education Teaching Math/Science is a Master of Education degree for individuals who already possess teacher certification in secondary mathematics or one of the secondary science subject areas. The program integrates a concentration in Science, Technology, Engineering, and Mathematics (STEM) courses. In addition to core requirements, these certified students will concentrate on individual professional development by electing 12 semester hours of course-work from the areas of instructional design, mathematics/science education, technology, special education, or counseling.

ADMISSION REQUIREMENTS

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

Basic Track:

- All applicants must have a bachelor's degree with appropriate course work in mathematics or one of the science disciplines with an overall GPA of 2.80 or higher from an accredited institution of higher education
- Resume

Advanced Track:

- All applicants must have a bachelor's degree with an overall GPA of 3.00 or higher from an accredited institution of higher education
- Copy of teacher certification
- Resume

BASIC TRACK UNDERGRADUATE COMPETENCIES

Students should provide evidence of meeting outcomes in special needs instruction (Slippery Rock University's SEFE 338: Standard-Based Instruction & Assessment in the Inclusionary Classroom and SEFE 342: Educational Psychology for Diverse Learners are essential to meet this requirement).

Students in the basic track who meet admission requirements but who have more than three undergraduate deficiencies, may be offered conditional admission.

BASIC TRACK - PROFESSIONAL LICENSURE CERTIFICATION

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

TUITION & ASSISTANTSHIPS

Information on current tuition and assistantships 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.

CURRICULUM - BASIC TRACK (36 CREDITS)
(for non-certified teachers)

Pedagogy (9 credits):

SEFE 607: The Theories and Teaching of English Language Learners
SEFE 676: Teaching Integrated Science and Mathematics (onsite)
SEFE 677: Directed Field Experience in Secondary Schools (onsite and in an area school)

Technology (3 credits):

SEFE 647: Technology – Based Inquiry in Middle & Secondary Schools

Educational Measurement (3 credits):

SEFE 671/681: Measurement, Testing and Assessment

Educational Foundations (3 credits) - Choose one course:

SEFE 604: Philosophical Foundation of Education
SEFE 606: Social Foundations of Education
SEFE 609: History of Western Education
SEFE 680: Crucial Issues in Education

Research and Statistics (6 credits):

SEFE 602: Univariate Statistical Methods (Required)

Choose one of the following:

SEFE 608: Research Methods for Teacher Leadership
SEFE 696: Elements of Qualitative Educational Research
SEFE 699: Elements of Quantitative Educational Research

Special Education (3 credits):

SPED 601: Advanced Study of Learning Disabilities or a course that meets the Chapter 49 Accommodations and Adaptations Standards as covered in SPED 601

Supervised Student Teaching (9 credits):

SEFE 701: Seminar and Supervised Teaching in the Secondary Schools

OFFERING OF COURSES BY TERM

(COURSES MAY BE OFFERED IN MULTIPLE TERMS)

Summer Term	Fall Term
Pre-session: SEFE 607 Session 1: SEFE 522; 647; 676 Session 2: SEFE 671/681; SEFE 699	SEFE 602; 677; 680 SPED 601
Winter Term	Spring Term
SEFE 338	SEFE 701

DEGREE COMPLETION PROCESS

There are five steps to completing a master's degree at Slippery Rock University. Students must:

1. Obtain unconditional admission status
2. Be approved for degree candidacy (students must successfully complete between 6 and 12 credit hours in a declared program of study)
3. Pass appropriate comprehensive examination
4. Complete research requirements
5. Complete requisite credit hours with GPA of 3.00 or higher

Upon completion of these five steps, the student will be required to apply for graduation before the end of the semester in which the student wishes to graduate. See the Graduate Catalog for further information.

CURRICULUM - ADVANCED TRACK
(for certified teachers)

Pedagogy (9 credits):

SEFE 630: Advanced Pedagogy for Teacher Leadership*
SEFE 647: Technology – Based Inquiry in Middle & Secondary Schools
SEFE 678: Practicum in Secondary Mathematics/Science*

Educational Measurement (3 credits):

SEFE 671/681: Measurement and Assessment in Schools

Educational Foundations (3 credits):

SEFE 680: Crucial Issues in Education

Research and Statistics (9 credits):

SEFE 602: Univariate Statistical Methods (Required)

Choose two courses from the following:

SEFE 608: Research Methods for Teacher Leadership
SEFE 696: Elements of Qualitative Educational Research
SEFE 699: Elements of Quantitative Educational Research

The courses listed above for the Advanced Track are offered online.

Electives (choose 12 credits from the following):

SEFE 607: The Theories and Teaching of English Language Learners
SEFE 650: School Supervision: Strategic Leadership
SEFE 652: School Supervision: Organizational Leadership
SPED 601: Advanced Studies in Learning Disabilities
SPED 625: Instructional Strategies for Learning and Behavior Problems

(Other electives with advisor approval)

***Individualized Instruction**

CLEARANCES

Clearances are due no later than one (1) week prior to deadline for course registration for each program's practicum/field experience. Students without clearances on file at SRU will not be permitted to register for the program's practicum and take part in practicum/field experiences. Students are to send the following by the due date:

- Clear Act 34 Criminal History Record: NO record...NONE concerning prohibitive offenses. A meeting headed by the Dean of the College of Education is required if clearances show non-prohibitive offenses. Clearance must be less than one year old at the time of submission.
- Clear Act 114 FBI Record Check: NO record...NONE concerning prohibitive offenses. A meeting headed by the Dean of the College of Education is required if clearances show non-prohibitive offenses. Clearance must be less than one year old at the time of submission.
- Clear Act 151 Child Abuse Background Check: NO record...NONE concerning prohibitive offenses. A meeting headed by the Dean of the College of Education is required if clearances show non-prohibitive offenses. Clearance must be less than one year old at the time of submission.
- Act 24 Arrest/Conviction Report and Certification: NO record...NONE concerning prohibitive offenses. A meeting headed by the Dean of the College of Education is required if clearances show non-prohibitive offenses. Students must file an updated Act 24 with SRU if any arrests/convictions occur while enrolled at SRU.
- Act 126 Child Abuse Recognition and Reporting Act - document online course completion.

FOR QUESTIONS ABOUT ACADEMICS AND COURSE SCHEDULING:

Dr. Edwin Christmann
Graduate Coordinator
001 McKay Educational Building
724.738.2319
edwin.christmann@sru.edu

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 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