

TEACHING MATH/SCIENCE WITH STEM, MASTER OF EDUCATION (MED) - ADVANCED CONCENTRATION

The Advanced Teaching Concentration 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. 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 research and statistics.

Advanced Concentration: All applicants must have a bachelor's degree with an overall GPA of 3.00 or higher from an accredited institution of higher education and provide a copy of their teacher certification.

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 examinations.
4. Complete research requirements.
5. Complete requisite credit hours.

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

Related Links

Teaching Math/Science with STEM - Advanced Concentration, MEd Program Page (<https://www.sru.edu/academics/graduate-programs/secondary-education-math/science-with-stem-concentration-master-of-education/>)

Secondary Education Math/Science Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/graduate/FS-SEFE-MS.pdf>)

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

Curriculum Guide

Code	Title	Hours
Pedagogy		
SEFE 630	Advanced Pedagogy for Teacher	3
SEFE 647	Technology-Based Inquiry in Middle & Secondary Schools	3
SEFE 678	Practicum in Secondary Mathematics/ Science	3
Educational Measurement		
SEFE 671	Measurement, Testing, and Assessment	3

Educational Foundations

SEFE 680	Crucial Issues in Education	3
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Research And Statistics

SEFE 602	Univariate Statistical Methods	3
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Select six credits of the following: 6

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

Electives

Select 12 credits of the following: 12

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

Total Hours 36

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: 9254