M.Ed. in Assessment, Curriculum and Teaching: STEM Teaching Concentration



The M.Ed. in Assessment, Curriculum and Teaching (ACTE) at Millersville University is designed with the busy educator in mind. The fully online STEM Teaching concentration will help you advance the knowledge and skills needed by today's educators.

CONCENTRATION

STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH) EDUCATION

The STEM Education concentration is designed for educators interested in learning the foundational tools and pedagogy for integrated STEM education. Through a multidisciplinary approach, this program helps prepare graduates to integrate science, technology, engineering and mathematics by ensuring they can:

- Integrate student-centered learning approaches to improve the quality of K-12 education and interaction with the larger community.
- Incorporate active, project-based learning.
- Develop and use skills in analysis, problem-solving and critical thinking.
- Create varied and targeted assessments that effectively measure student learning aligned to content standards and leverage emergent instructional models.
- Develop methods of evaluating and improving curricular design through the use of student assessment data.

This Program Is Designed for:

- Teachers who hold an initial teaching certification in any K-12 discipline. (*This program will NOT lead to an initial teaching certification.)
- Teachers in STEM subjects: science, technology, engineering and mathematics.

Complete program in 33 credits

This program offers rolling admission

Structured for full-time and part-time students

Program Highlights:

- Accelerated courses – can be completed 100% online.
- Affordable tuition rates.
- Credits meet ACT 48 requirements.
- Interdisciplinary faculty from three departments.

millersville.edu/edfoundations/master-stem.php







STEM EDUCATION REQUIRED CURRICULUM

M.ED. CORE COURSES

- EDFN 545 Advanced Educational Psychology
- EDFN 601 Methods of Research
- EDFN 604 Education and Public Policy

ACTE CORE AND STEM EDUCATION CONCENTRATION COURSES

- ACTE 630 Current Technology for Online Instruction
- ACTE 625 Technology and Assessment for Learning
- ACTE 651 Science Curriculum and Reform
- EDUC 651 Mathematics in the School Program
- EDTE 604 Engineering Principles and Concepts
- ACTE 655 Integrative STEM Education

CAPSTONE EXPERIENCE

- ACTE 699 Inquiry for Teaching and Learning



CONTACT

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