

STEM MASTER OF SCIENCE IN EDUCATION

Department web site (<https://www.drake.edu/stem/>)

Program Overview

Drake's Master of Science in Education in Science, Technology, Engineering, and Math (STEM) is focused on helping teachers become even better teachers.

The MSE in STEM engages K-12 teachers with fundamental STEM content and teaching strategies. The research-based Drake approach produces measurably better instruction related to math and science teaching, preparing teachers to engage students around STEM topics in effective, innovative, and integrated ways.

Program Requirements

The program requires 32 credits focused on science, technology, engineering, and mathematics content and pedagogy.

Code	Title	Hours
Core		
STEM 210	INTEGRATED SCIENCE I	3
STEM 235	MATHEMATICAL PRACTICES	3
STEM 245	EQUITY IN MATH TEACHING AND LEARNING	3
STEM 274	SCIENCE METHODS AND NATURE OF SCIENCE	3
Electives		
STEM 210	INTEGRATED SCIENCE I	3
STEM 211	INTEGRATED SCIENCE II	3
STEM 215	ALGEBRA AND GEOMETRY - ELEMENTARY AND MIDDLE SCHOOL	3
STEM 225	MEASUREMENTS AND STATISTICS FOR ELEMENTARY AND MIDDLE SCHOOL	3
CS 195	SELECTED TOPICS	3
EDUC 289	MANAGING SCHOOL-WIDE CHANGE THROUGH COACHING	3
Total Hours		30

Electives are chosen depending upon candidate experience. Advisor-approved substitutions will be accepted.

Admission

Admittance to the STEM graduate program requires successful completion of a bachelor's degree with a minimum 2.5 cumulative GPA and a teaching license. Individuals that do not meet the GPA requirement should contact the Coordinator of Graduate Admission for further information.

Applications are reviewed on an on-going basis; please have all materials submitted 8 weeks prior to the beginning of the intended start-term.

For more details, contact the Coordinator of Graduate Admission (soegradadmission@drake.edu or 515-271-2552) or visit the STEM application web site (<http://www.drake.edu/stem/application/>).