SCIENCE, TECHNOLOGY, ENGINEERING & MATH EDUCATION (STME)

STME 5001 - Planning for Learning in Mathematics and Science (3 Credits)
This course explores aspects of complex curriculum and instructional concepts through the lens of mathematics and science educators. A focus will include: Socio-cultural learning theory in Math and Science; standards-based instruction; instructional design; formative & summative assessment, and differentiation so that meaningful instruction becomes accessible to all students. Cross-listed with STME 4001. Max hours: 3 Credits.
Grading Basis: Letter Grade

STME 5051 - STEM Capstone: Secondary Education (3 Credits)
This course provides Secondary STEM Education students with a capstone learning experience that integrates knowledge of STEM content, students, and school context into socially-just and culturally responsive practices. Cross-listed with STME 4051. Restriction: Restricted to students in the Teacher MA or undergraduates in the BAMA. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restriction: TCHR-MA plan or BMA subplan.

STME 7010 - Community-Engaged STEM Leadership (3 Credits)
In this learning opportunity, we will explore ways to think about informal and formal learning spaces with a lens of STEM Leadership. Restriction: Restricted to EDHD-PhD and LDRE-EDd majors within the School of Education and Human Development. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restriction: Restricted to EDHD-PhD and LDRE-EDd majors within the School of Education and Human Development.
Typically Offered: Fall.