SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

STEM 888 – STEM Education Capstone  3 credit hours
This course is designed to culminate the student’s experience in the STEM Education program. Students will complete the comprehensive exam and a capstone project that integrates educational research, curriculum design, science/math content application, and assessment. Based on a literature evaluation of a specific concept or problem in science/math teaching, the student will develop a new curricular unit, or redesign an existing one, to be implemented in a high school or middle school science/math course that the student is teaching that semester. This unit must apply science/math content from their degree program courses and the student must assess the impact of the new/revised unit on student learning.
Prerequisite: Admission into STEM Education Program Recommended completion of TE 800 and at least 24 hrs of STEM Education degree program including 6 or more hours in Major Emphasis category.