Department: Teacher Education (TED)
Program Name: STEM Teach
Program Level: Graduate
College: Education and Professional Studies
Program: M.S.E.
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Program Outcomes

**Outcome 1:** Teachers know the subjects they are teaching. (2011 INTASC Standard 4, content knowledge). The teacher understands the central concepts, tools of inquiry, and structures of the disciplines she or he teaches and can create learning experiences that make these aspects of subject matter meaningful.

**Outcome 2:** Teachers know how children grow. (2011 INTASC Standard 1, learner development). The teacher understands how children with broad ranges of ability learn and provides instruction that supports their intellectual, social, and personal development.

**Outcome 3:** Teachers understand that children learn differently. (2011 INTASC Standard 2, learner differences). The teacher understands how pupils differ in their approaches to learning and the barriers that impede learning and can adapt instruction to meet the diverse needs of pupils, including those with disabilities and exceptionalities.

**Outcome 4:** Teachers know how to teach. (2011 INTASC Standards 5 and 8, instructional strategies). The teacher understands and uses a variety of instructional strategies, including the use of technology, to encourage children's development of critical thinking, problem solving, and performance skills.

**Outcome 5:** Teachers know how to manage a classroom. (2011 INTASC Standard 3, learning environment). The teacher uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.
**Outcome 6:** Teachers communicate well. (2011 INTASC Standards 3, academic language). The teacher uses effective verbal and nonverbal communication techniques as well as instructional media and technology to foster active inquiry, collaboration, and supportive interaction in the classroom.

**Outcome 7:** Teachers are able to plan different kinds of lessons. (2011 INTASC Standard 7, planning for instruction). The teacher organizes and plans systematic instruction based upon knowledge of subject matter, pupils, the community, and curriculum goals.

**Outcome 8:** Teachers know how to test for student progress. (2011 INTASC Standard 6, assessment). The teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the pupil.

**Outcome 9:** Teachers are able to evaluate themselves. (2011 INTASC Standard 9, context for learning). The teacher is a reflective practitioner who continually evaluates the effects of his or her choices and actions on pupils, parents, professionals in the learning community and others and who actively seeks out opportunities to grow professionally.

**Outcome 10:** Teachers are connected with other teachers and the community. (2011 INTASC Standard 10, professional responsibility). The teacher fosters relationships with school colleagues, parents, and agencies in the larger community to support pupil learning and well-being and acts with integrity, fairness and in an ethical manner.

**Outcome 11:** For the MSE, teachers present and defend their additional coursework and/or research findings in an oral examination to a committee of faculty and/or members of the Steering Committee.