

Program Description:

The School of Engineering and Technology (MST) offers graduate instruction leading to the Master of Science (M.S.) degree that enables students to concentrate on professional studies in technology in any of the disciplinary foci and/or areas of specialization (see below) offered by the school.

Disciplinary Foci

Computer and Information Technology
Construction Engineering Management Technology
Engineering Technology
Organizational Leadership and Supervision
STEM Education (Proposed)

Area of Specialization

Facilities Management
STEM Education w/Indiana Teacher License (Proposed)

Your degree is granted by the Purdue University Graduate School upon successful completion of all degree requirements.

Coursework:

Below, students can find the necessary coursework for obtaining the Indiana Teaching License in Math, Science, Engineering Technology Education and/or Computer Education. Actual coursework taken will depend on the evaluation of the applicant's undergraduate transcript and the Indiana Teacher License the applicant chooses to pursue.

→ **MS in Technology: STEM Education Track with Computer Education Certification**
Courses for Woodrow Wilson Indiana Teaching Fellows 2009-2011
Total 36 credits

Session 2009-11	Courses Taken During This Session
2009-Summer I	TECH 565 –Teaching Computer Programming, Applications, Communication, and Design (3 cr.) TECH 581/S502—The Nature of the STEM Disciplines (3 cr.) PRAXIS REVIEW — (arranged)
2009-Summer II	TECH581/S504—Introduction to STEM Teaching (3 cr.) July 6-23 P510—Psychology of Teaching (3 cr.)
2009- Fall	M500—Field Experience in Middle School (0 cr.) S509—Middle School STEM Methods (3 cr.) S555—Diversity and the Communities of all Learners (3 cr.)
2010- Spring	M500—Field Experience in High School (0 cr.) S503—Secondary School Curriculum (3 cr.) S518/N517—High School STEM Methods (3 cr.)
2010- Summer I	S590—Professional Issues in Secondary Education (3 cr.) TECH Elective – must choose 300-level, 400-level or graduate level course in Computer Programming, Applications, Communication, and Design (3 cr.)
2010- Summer II	TECH 581—Project Lead The Way: Introduction to Engineering Design (3 cr.)
2010- Fall	TECH 581/Y520 –Directed Project/Strategies for Educational Inquiry (3 cr.)
2011-Spring	Presentation of Action Research at WWITF Conference