

Master of Science in Technology Project Management

The degree plan for a Master of Science (MS) degree in Technology Project Management is designed specifically to prepare individuals with undergraduate degrees in a wide-range of disciplines for responsible leadership roles in technology-based and professional workplaces. The required courses provide in-depth preparation in project management skills. Being able to plan and manage projects of all kinds is an increasingly important skill for those working in a variety of industries.

MS in Technology Project Management (30 hours)	
Required Courses (24 hours)	Hours
TEPM 6301: Project Management Principles	3
TEPM 6302: Project Leadership and Team Building	3
TEPM 6303: Risk Assessment in Project Management	3
TEPM 6304: Quality Improvement in Project Management	3
TEPM 6305: Project Manager Tools	3
TEPM 6306: Project Manager Office	3
TEPM 6307: Advanced Project Management	3
TEPM 6308: Project Procurement Practices	3
Research Project (6 hours)	
TEPM 6391: Project Management Seminar	3
TEPM 6395: Integration Project	3

Course Descriptions for Technology Project Management (TEPM) courses:

TEPM 6301: Project Management Principles

Cr. 3. (3-0). Prerequisite: Graduate standing or consent of instructor. Overview of project management for technology-oriented initiatives. The basic tools of project management, including work breakdown structure, scheduling, budgeting, contracting, earned value analysis, and risk management, and other elements.

TEPM 6302: Project Leadership and Team Building

Cr. 3. (3-0). Prerequisite: Graduate standing or consent of instructor. Dynamics of project leadership from the individual, team, and organizational perspective in achieving improved performance in the information- or technology-based workplace.

TEPM 6303: Risk Assessment in Project Management

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of instructor. Overview of the basic components of risk as they pertain to technical projects: risk identification, risk impact analysis, risk response planning, mitigating risk, and risk management techniques.

TEPM 6304: Quality Improvement in Project Management

Cr. 3. (3-0). Prerequisite: [TMTH 3360](#): Applied Technical Statistics or equivalent. Methods for conducting quality assessment in project management projects in production and service operations; concepts, methodologies, and statistical analysis tools of quality improvement, including quality theory, standards, design, control, and assurance.

TEPM 6305: Project Manager Tools

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of instructor. Understanding the technology and methodology that supports project management activities.

TEPM 6306: Project Manager Office (PMO)

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of the graduate faculty advisor. Defining needs and requirements to formulate and maintain a PMO, including its purpose, structure, and resources.

TEPM 6307: Advanced Project Management

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of the instructor. This course focuses on advanced project management concepts and prepares the student for PMP or CAPM certification.

TEPM 6308: Project Procurement Practices

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of instructor. Procurement and contract management processes.

TEPM 6391: Project Management Seminar

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of the graduate faculty advisor. Students demonstrate their ability to complete a major project that identifies and resolves an important technology or technology leadership issues.

TEPM 6395: Integration Project

Cr. 3. (3-0). Prerequisite: [TEPM 6391](#) and permission of the graduate faculty advisor. Students demonstrate their ability to structure and complete an integrative project that draws upon the skills developed in the project management common core courses and the student's specialization. Students report the results of their efforts in written and oral form.