The Graduate Certificate in Information System Project Management aims to equip students with a set of tools that will allow them to achieve Project Management Institute (PMI) standards in the project management area, to successfully manage resources, and to analyze, evaluate, and improve complex projects.

Specifically, the ability to:

- Identify operations problems and implement solutions for improved strategic competitiveness.
- Make sound decisions, plan, and control the key resources of an organization — money and people.
- Critically analyze, evaluate, improve, or adapt existing technical and/or managerial systems.
- Organize and manage complex projects.

**Admission requirements**

Prospective students may apply at any time by completing the Graduate Application for Admission found online at apply.mst.edu.

The graduate certificate program is open to all individuals holding a bachelor’s, master’s or Ph.D. degree in areas such as business, social sciences, technology, engineering, or related disciplines. Students must also have the required prerequisites for the courses in the program.

In order to receive a Graduate Certificate, the student must have an average graduate cumulative grade point of 3.0 or better on a 4.0 scale in the certificate courses taken. Students admitted only to the certificate program will have non-degree graduate status but will earn graduate credit for the courses they complete. Students will be given three years to complete the certificate as long as a B or better average is maintained in the courses taken.

If a student completes the four graduate certificate courses with a grade of B or better in each of the courses taken, the student will, upon application, be admitted to the Master of Business Administration or to the Master of Science in Information Science and Technology. The certificate courses taken by students admitted to the program will count toward the student's MBA or M.S. degree.
REQUIRED CORE COURSES

IS&T 6261 Advanced Information Systems Project Management
Project management principles, first from a general perspective, and then focused specifically on information system application development are explored. Topics include requirements analysis, project scheduling, risk management, quality assurance, testing, and team coordination. Report writing and research literature searches are required.
Prerequisite: Strong programming knowledge required.

ENG MGT 5320 Project Management
Organization structure and staffing; motivation, authority and influence; conflict management; project planning; network systems; pricing, estimating, and cost control; proposal preparation; project information systems; international project management.
Prerequisite: Graduate Standing.

ENG MGT 6322 Case Studies in Project Management
Includes the main components of the Project Management Institute (PMI) Body of Knowledge; case studies in project management including project implementation, organizational structures, project estimating, project scheduling, project risk management, and conflict management.
Prerequisite: Eng Mgt 5320 or equivalent.

ENG MGT 6323 Global Project Management
In depth and advanced topics in project management including project management methodologies, strategic planning for excellence, project portfolio management, integrated processes, culture, and behavioral excellence; normally includes a hands-on group project.
Prerequisite: Eng Mgt 5320 or equivalent.

*Curriculum is subject to change. Please contact the department for up-to-date information on courses. Other courses approved by the department may be substituted for any of the above listed courses on a case-by-case basis. The administrative coordinators must approve the substitution prior to enrolling in the course.