

# INFORMATION TECHNOLOGY PROJECT MANAGEMENT

Master the tools and techniques you need to achieve Project Management Institute standards.

The Graduate Certificate in 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, and
- organize and manage complex projects.

## Admission requirements

The graduate certificate program is open to all individuals holding a BS, MS or PhD degree in areas such as business, social sciences, technology, engineering, or related disciplines. 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. If the four-course sequence approved by the graduate advisor is completed 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 towards the MBA program or the M.S. in Information Science and Technology degree program. Once admitted to the Certificate program, a student will be given three years to complete the program as long as a B or better average is maintained in the courses taken.

Get the career advancement you seek in today's competitive project management environment.

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# COURSE DESCRIPTIONS

Most courses are offered both on campus and via distance education

## REQUIRED CORE COURSES

### **IST 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.

*Offered Spring Semester. Prerequisites: IST MS Entrance requirements, with strong programming knowledge.*

### **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.

*Offered Fall, Spring and Summer Semesters. Prerequisite: Graduate Standing*

### **Eng Mgt 6322: Case Studies in Project Management**

Includes the main components of the Project Management Institute (PMI) Body of Knowledge and case studies in project management including project implementation, organizational structures, project estimating, project scheduling, project risk management and conflict management.

*Offered Fall Semester. 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; includes lectures by international project management professionals.

*Offered Spring Semester. Prerequisite: Eng Mgt 5320 or equivalent.*