



GRADUATE CERTIFICATE IN IT Project Management

Certificate Description

This certificate provides experienced professionals who possess a bachelor's degree the ability to obtain specialization in the field of IT Project Management to grow professionally.

Principles of IT Management—ITPM 611—The course provides an overview of the roles, responsibilities, and management methods of the technology project manager. The course assumes no prior knowledge in management techniques and is intended to teach students how to develop approaches and styles of management for software projects.

Outcomes:

- Explain the stages and process of the project life cycle
- Explain the various techniques for planning and managing a technology project
- Outline the unique risks, issues, and critical success factors associated with technology projects
- Discuss the various techniques for planning and managing a technology project
- Describe basic methodologies for software design, development, testing and implementation
- Discuss the role and function of project management

Leadership, Management and Communication of Technical Projects—ITPM 613—This is an interactive course designed to provide a solid foundation in key leadership competencies and to afford students the opportunity for a truly transformational leadership experience. Several team building, motivation, and human resources development techniques are also covered.

Outcomes:

- Explain the difference between leadership and management
- Explain the various techniques of leading effective teams
- Outline negotiating conflict techniques
- Explain evaluation and forecasting of technical projects
- Learn the categories of risk common to every project



GRADUATE CERTIFICATE IN **IT Project Management**

IT Project Quality Management—ITPM 615—This course combines project management with quality management by guiding you from Initiation to Closure with the use of cost control. You will develop and review typical management deliverables that illustrate the ability of the Project Manager to control the success of projects. In addition, you will use computer applications as a tool for project management.

Outcomes:

- Explain quality management concepts.
- Learn how good quality management can lower overall project cost.
- Compare the applicability of several quality management techniques.
- Demonstrate the ability to use computer applications as a tool for project quality management.

Risk Management and Project Cost Control—ITPM 619—This course covers factors that contribute to project failures and risk management. Risk identification techniques such as quantitative and qualitative approaches are covered. Expected Monetary Value (EMV), Earned Value Management (EVM), Pareto Analysis, and contingency plans are also covered.

Outcomes:

- Explain the meaning of project risks and risk management concepts
- Demonstrate the ability to identify and rank project risks from early stages to project completion
- Describe several tools that are used to monitor, control, and manage risks
- Develop project risk register and contingency plans
- Demonstrate the ability to use software tools that monitor and control project risks, schedule, and project costs