

Project Management Certificate

CERTIFICATE OVERVIEW



The Project Management certificate prepares aspiring and practicing business and technology professionals interested in project management with the practical knowledge and skills required to coordinate, facilitate, manage and lead projects and other initiatives. In today's competitive business world, the discipline of project management is viewed as the best and most effective way to implement one-time endeavors that are often large scale, complex and cross-functional.

Skills Learning Outcomes

- Learn and practice the essential project management skills, knowledge, tools and techniques.
- Develop the mindset of being a professional project manager, including balancing the need for action with planning, making difficult trade-off decisions, navigating through organizational barriers to change and analyzing risks.
- Practice and demonstrate the ability to create and present professional project deliverables based on the latest industry best practices. This includes (but is not limited to) project schedules, charters, roles and responsibility matrices, comprehensive status reports, project management plans, stakeholder analysis and other important project management deliverables.
- Potentially attain a globally recognized project professional certification from the Project Management Institute.

Courses

The academic program for this certificate is composed of seven 1.5-credit, graduate-level courses or 10.5 credits.

MGMT 565, Project Management

This is an introduction to project management with a focus on providing students with real-world knowledge of managing projects in today's competitive environment. Throughout this course, project examples from a wide variety of industries and functions will be introduced, including information technology, marketing, organization capability enhancement, training, etc.

MGMT 576, Advanced Project Management

Topics in this course include project organization, stakeholder analysis, communication planning, risk and issue management, quality management, procurement and leading projects. This course is further aligned within the broader context of business execution, which includes program and portfolio management, organizational change, strategic business implementation and project management. Collectively these disciplines strive to achieve tangible business results.

MGMT 571, Leadership

Successful leaders must understand how to influence individuals in order to meet organizational and project goals. This course reviews classical and modern approaches to leadership with a focus on the application of these theories to organizations and projects.

INFO 578, Systems Development Life Cycle (SDLC) Management

This course stresses the competencies needed to manage information systems through their entire Systems Development Life Cycle (SDLC): preliminary investigation, analysis, design, development, implementation, testing and evaluation. The course will also provide students with an understanding of the role and responsibility of a systems analyst within a project.

INFO 579, Agile Systems Development Management

This course is designed to provide students with an ability to understand the methods, processes and tools for managing agile systems design and development projects.

INFO 580, Risk Analysis and Management

The class will cover a wide array of business-decision problems with the help of computation models and available data. Students will use solver and simulation tools to help analyze the complex business problems in an intuitive, informative manner. Graduates will be able to make managerial decisions that are based on cutting-edge analytics modeling.

MGMT 582, Contemporary Topics in Project Management

This course explores contemporary topics in project management collectively representing the latest challenges and opportunities in project management. These topics include but are not necessarily limited to: strategic business execution, program management office, organizational change and transformation, working in virtual teams, managing conflicts and enterprise project management.

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