



## Project Management Graduate Certificate Program



The Center for  
**Multidisciplinary**  
Studies

# Project Management

A project is like a machine. In order to be successful, it needs to be well-oiled, maintained, and correctly assembled in order for it to perform up to its potential. Just as a mechanic meticulously tweaks and supervises the construction of a machine, a Project Manager must take this same approach when challenged with a project. From initiation to termination, a project must be well-oiled & managed in the areas of organization, control, personnel, and time-management. Without success in these crucial areas a project, like a machine, will falter. Encountering the challenges of cultural and social differences, along with dealing with an assortment of industrial focuses, the Project Manager must be aware of his or her goals of a project on a daily and even hourly basis. This certificate will give you the background that you need to become an effective project manager.

## Required Courses:

### *0681-710: Project Management*

This graduate-level course addresses project management from a management perspective, covering the profession of project management, as well as the specific techniques required to manage projects. Topics include Project Framework, Project Selection, Planning, Conflict & Negotiation, Budgeting, Scheduling, Resource Allocation, Monitoring & Controlling, and Project Termination. It addresses the unique and demanding role of the project manager, the challenges of risk management, and the quantitative facets of project management. Students will learn work breakdown structures, risk management, budgeting, network scheduling, critical path method, PERT, and earned value analysis. They will be introduced to Crystal Ball and MS Project. Additionally, the course introduces the major areas of the Project Management Body of Knowledge (PMBOK) as defined by the Project Management Institute (PMI). Students are required to complete weekly assignments, a term project, and participate in weekly graduate group activities.

At times 0681-710 may be co-listed with 0681-410, an upper-level undergraduate course. 0681-410 may not be substituted for 0681-710 in a CMS graduate concentration or advanced certificate.

Prerequisites: Introductory course(s) in management or equivalent experience; computer competency with Microsoft Office applications; fundamentals of accounting, finance, and statistics and probability; or permission of instructor. Credit 4.

## *0681-711: Advanced Project Management*

Course covers the advanced project management topics necessary for implementation of and excellence in project management. It deals with turning the principles and theory of project management into practice. Addresses the best practices for project management in the world; project portfolio management; the project office; project risk management; multinational cultures and cultural failures; integrated project teams; and virtual project teams. Incorporates aspects of the Project Management Body of Knowledge (PMBOK). Credit 4

## *0681-712: International Project Management*

With globalization, mergers, and acquisitions, international projects are more frequent. This course addresses a wide range of international projects based in different industries and multiple countries. It deals with cultural and social differences within firms; cultural and social differences among countries and within countries; languages and dialect variations; religious practices; legal, regulatory, and reporting requirements; technology differences in different areas; and time zone differences. Incorporates aspects of the Project Management Body of Knowledge (PMBOK). Credit 4

## Electives

*The Project Management Graduate Certificate requires two approved electives:*

Students may choose from a list of approved electives including:

0688-732: Managing Technical & Scientific Communication

0688-721: Creating Technical Proposals

0626-710: Theory of Organizational Development

0626-782: Human Resource Management

0626-703: Facilitation Skills

0625-841: Benchmarking & Continuous Process Improvement

0625-843: Empowered Teams

0625-844: Breakthrough Thinking

0102-740: Organizational Behavior & Leadership

0625-849: Service Performance Metrics.

# About the CMS Certificate Program

Build an academic program that you can complete at a pace that suits your lifestyle. The Center for Multidisciplinary Studies offers several certificate programs designed for students who want to gain expertise in a specific area of study or who wish to focus on one area of study at a time. Credits earned in these programs may be applied toward a degree in Applied Arts and Science. Ask a CMS advisor for more information.

Students must achieve a program GPA of at least 2.0 in order to be certified. A CMS academic advisor can explain the details. Just give them a call or send them an e-mail.

## A Degree As Unique As You.

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