

Project Management, MS

Companies succeed or fail based on their ability to bring quality products and services to market in a timely manner. Without skilled project managers in place, companies are challenged to deliver projects on time, on budget, and according to specifications. From inception to completion, project managers are responsible for every step in the process: project definition, cost and risk estimation, schedule planning and monitoring, budget management, negotiation and conflict resolution, project leadership, and project presentation and evaluation.

The Master of Science in Project Management is designed to provide you with the practical skills and theoretical concepts you need to lead complex projects. Featuring real-world case studies, this project management degree presents techniques and tools for managing long- and short-term projects successfully and cost-effectively. Augmenting the core project management courses are concentrations that seek to provide you with content-specific expertise that enables you to deepen your knowledge in your field of interest.

In September of 2009, the Master of Science in Project Management received accreditation by the Project Management Institute's Global Accreditation Center, the world's leading association for project management professionals. Accreditation is achieved by meeting the GAC's rigorous standards, which include an assessment of program objectives and outcomes, a review of on-site and online resources, evaluations of faculty and students, and proof of continuous improvements in the area of project management.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Required Courses

Code	Title	Hours
Note: PJM 5900 is for students with less than three years of experience directing or leading project tasks and is recommended for students who do not have a basic working knowledge of Microsoft Project software. Students who do not complete PJM 5900 may take any project management elective to satisfy the required credits.		
PJM 5900	Foundations of Project Management	4
PJM 6005	Project Scope Management	3
PJM 6015	Project Risk Management	3
PJM 6025	Project Scheduling and Cost Planning	3
PJM 6135	Project Quality Management	3
The following course should be taken last:		
PJM 6910	Capstone	3

The remaining required quarter hours for the program may be completed by a combination of completing a concentration, project management electives, and 6000-level electives or a combination of project management electives and selecting any courses listed in the concentrations and electives lists.

Project Management Electives

Code	Title	Hours
PJM 6075	Project Finance	
PJM 6125	Project Evaluation and Assessment	
PJM 6140	Managing Troubled Projects	
PJM 6145	Global Project Management	
PJM 6175	Project Resource Management	
PJM 6180	Project Stakeholder Management	
PJM 6185	Managing Innovation Projects	
PJM 6205	Leading and Managing Technical Projects	
PJM 6210	Communication Skills for Project Managers	
PJM 6215	Leading Remote Project Teams	
PJM 6710	Introduction to Program and Portfolio Management	
PJM 6983	Topics	

Electives List

Code	Title	Hours
Complete courses from the 6000 level. Below is a list of courses regularly offered as electives within the project management program:		
CMN 6000	Introduction to Organizational Communication	

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CMN 6005	Foundations of Professional Communication
CMN 6060	Negotiation, Mediation, and Facilitation
CMN 6090	Organizational Culture, Climate, and Communication
CMN 6095	Foundations of Developing Cultural Awareness
CMN 6110	Group Dynamics and Interpersonal Conflict: Meeting Management
COP 6940	Personal and Career Development
EDU 6184	Interdisciplinary Foundations
INT 6940	Experiential Learning Projects for Professionals
INT 6943	Integrative Experiential Learning

Concentrations

- Agile Project Management (p. 2)
- Analytics (p. 2)
- Construction Management (p. 2)
- Leadership (p. 2)
- Leading and Managing Technical Projects (p.)
- Organizational Communication (p.)
- Project Business Analysis (p.)

Program Credit/GPA Requirements

45 total quarter hours required

Minimum 3.000 GPA required

CONCENTRATION IN AGILE PROJECT MANAGEMENT

Code	Title	Hours
Students in this concentration are only required to complete one project management required elective.		
PJM 6205	Leading and Managing Technical Projects	3
PJM 6810	Principles of Agile Project Management	3
PJM 6815	Advanced Agile Project Management	3
PJM 6820	Agile Implementation and Governance	3
PJM 6825	Agile Lean Product Development	3

CONCENTRATION IN ANALYTICS

Code	Title	Hours
ALY 6000	Introduction to Analytics	3
ALY 6010	Probability Theory and Introductory Statistics	3
ALY 6015	Intermediate Analytics	3
ALY 6070	Communication and Visualization for Data Analytics	3
Complete one of the following:		3
ALY 6020	Predictive Analytics	
ALY 6030	Data Warehousing and SQL	
ALY 6040	Data Mining Applications	
ALY 6110	Data Management and Big Data	

CONCENTRATION IN CONSTRUCTION MANAGEMENT

Code	Title	Hours
CMG 6400	Introduction to Construction Management	4
CMG 6402	Alternative Project Delivery Methods and Project Controls	4
CMG 6403	Safety, Project Risk, and Quality Management	4
CMG 6405	Construction Law	4

CONCENTRATION IN LEADERSHIP

Code	Title	Hours
Required Courses		
LDR 6100	Developing Your Leadership Capability	3
LDR 6110	Leading Teams Strategically in a Global Environment	3

LDR 6120	Developing Organizational Success through Leadership Development	3
LDR 6150	Innovation and Organizational Transformation	3
Elective		
Complete one of the following:		3
LDR 6135	Ethical Leadership	
LDR 6140	Leadership Strategy, Design, and Practice	

CONCENTRATION IN LEADING AND MANAGING TECHNICAL PROJECTS

Code	Title	Hours
PJM 6205	Leading and Managing Technical Projects	3
PJM 6210	Communication Skills for Project Managers	3
PJM 6215	Leading Remote Project Teams	3
PJM 6810	Principles of Agile Project Management	3
PJM 6825	Agile Lean Product Development	3

CONCENTRATION IN ORGANIZATIONAL COMMUNICATION

Code	Title	Hours
Required Course		
CMN 6000 and INT 6000	Introduction to Organizational Communication and Writing Lab	4
Electives		
Complete four of the following:		12
CMN 6020	Ethical Issues in Organizational Communication	
CMN 6050	Crisis Communication	
CMN 6060	Negotiation, Mediation, and Facilitation	
CMN 6080	Intercultural Communication	
CMN 6090	Organizational Culture, Climate, and Communication	
CMN 6110	Group Dynamics and Interpersonal Conflict: Meeting Management	

CONCENTRATION IN PROJECT BUSINESS ANALYSIS

Code	Title	Hours
ALY 6000	Introduction to Analytics	3
PJM 6610	Foundations of Project Business Analysis	3
PJM 6620	Project Business Analysis: Needs Assessment	3
PJM 6630	Project Business Analysis: Requirements Planning and Analysis	3
PJM 6640	Leadership Strategies for the Business Analyst	3