

# Northeastern University

## College of Professional Studies

### Project Management Roadmap Rev. 4, September 2009

NEU CPS Project Management Portal: <http://www.northeastern.edu/cpspmportal/>



# Project Management Roadmap

## Level 4 Master of Science in Project Management

42 - 44 qh

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Course # (Previous Course #) Course Title

Core Courses  
27 - 28 qh

Specializations  
15 - 16 qh

### Required – 21 qh

PJM6000 (PM3200)	3 qh	Project Management Practices Prerequisite for PJM6125, PJM6705, and Core Electives.
PJM6125 (PM3225)	3 qh	Project Evaluation and Assessment Recommended as last course.
PJM6705 (PM3205)	3 qh	Portfolio Management in the Enterprise Environment

### Choose four – 12 qh

PJM6010 (PM3210)	3 qh	Project Planning and Scheduling
PJM6015 (PM3215)	3 qh	Risk Management
PJM6020 (PM3220)	3 qh	Cost and Budget Management
ITC6035 (IT3035)	3 qh	Software Project Management
PJM6130 (PM3230)	3 qh	Organizational and Financial Views of Projects
PJM6135	3 qh	Project Quality Management
PJM6140	3 qh	Managing Troubled Projects
PJM6145	3 qh	Global Project Management

### Elective Courses

#### Choose one – 3 qh

CMN6060 (CMN3060)	3 qh	Negotiation, Mediation, and Facilitation
CMN6110 (CMN3110)	3 qh	Group Dynamics and Interpersonal Conflict: Meeting Management
LDR6110 (LDR3310)	3 qh	Leading Teams

### Specialized Legal/Regulatory

#### Choose one – 3 – 4 qh

CMG6405 (CM3405)	4 qh	Construction Law
ITC6315 (IT3315)	3 qh	Information Security Risk Management
BTC6210 (BT3210)	4 qh	Human Experimentation: Methodological Issues Fundamental to Clinical Trials
ITP6210 (IP3210)	4 qh	Introduction to Intellectual Property: Trade Secrets, Trademarks, and Unfair Competition

### Choose one

- 15 qh Construction Management Specialization
- 15 qh Geographic Information Systems  
Specialization (online only)
- 16 qh Clinical Trial Design Specialization
- 15 qh Information Security Management  
Specialization
- 15 qh Employee Communication Specialization
- 15 qh Leadership Specialization

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## College of Professional Studies

### Project Management Roadmap

#### Level 4

#### Master of Science in Project Management

42 - 44 qh

Choose One Specialization – Page 2 of 2  
Course # (Previous Course #) Course Title

#### 15 qh Construction Management Specialization

CMG6400 (CM3400)	4 qh	Introduction to Construction Management (prerequisite)
CMG6402 (CM3410)	4 qh	Alternative Project Delivery Methods and Project Controls
CMG6403 (CM3415)	4 qh	Safety, Project Risk, and Quality Management
LDR6110 (LDR3310)	3 qh	Leading Teams

#### 16 qh Clinical Trial Design Specialization

BT3210	3 qh	Human Experimentation: Methodological Issues
BTC6211 (BT3211)	4 qh	Validation and Auditing of Clinical Trial Information
BTC6213 (BT3213)	4 qh	Clinical Trial Design Optimization and Problem Solving
PMC6212 (PMC3212)	4 qh	Clinical Drug Development Data Analysis: Concepts and Applications

#### 15 qh Geographic Information Systems Specialization (online only)

GIS5101 (GIS3100)	3 qh	Introduction to Geographic Information Systems
GIS5102 (GIS3110)	3 qh	Fundamentals of GIS Analysis

Choose three

RMS5105 (GIS3120)	3 qh	Introduction to Remote Sensing
GIS5201 (GIS3130)	3 qh	Advanced Spatial Analysis
GIS6340 (GIS3140)	3 qh	GIS Customization
GIS6350 (GIS3150)	3 qh	GIS Management & implementation
GIS6360 (GIS3160)	3 qh	Spatial Databases
GIS6370 (GIS3170)	3 qh	Internet-Based GIS
GIS6390 (GIS3190)	3 qh	Business Applications for GIS

#### 15 qh Information Security Management Specialization

ITC6300 (IT3300)	3 qh	Foundations of Information Security Management
IT3315	3 qh	Information Security Risk Mgmt.
ITC6310 (IT3310)	3 qh	Information Security Governance
ITC6320 (IT3320)	3 qh	Information Security Technology

Choose one

ITC6330 (IT3330)	3 qh	CISSP Preparation
ITC6325 (IT3325)	3 qh	CISA Preparation
ITC6305 (IT3305)	3 qh	IT Infrastructure (Systems, Networks, Telecom)

#### 15 qh Employee Communication Specialization

CMN6010 (CMN3010)	3 qh	Foundations of Organizational Communication
CMN6020 (CMN3020)	3 qh	Ethical Issues in Organizational Communication
CMN6910 (CMN3031)	3 qh	Organizational Communication Assessment

(recommended as last course)

Choose two

CMN 6030 (CMN3030)	3 qh	Professional Speaking (offered on-campus only)
CMN6050 (CMN3050)	3 qh	Crisis Communication
CMN6070 (CMN3070)	3 qh	Interviewing
CMN6080 (CMN3080)	3 qh	Intercultural Communication in the Organization
CMN6090 (CMN3090)	3 qh	Organizational Culture, Climate, and Communication

#### 15 qh Leadership Specialization

LDR3300	3 qh	Developing Your Leadership Capability
(prerequisite)		
LDR6110 (LDR3310)	3 qh	Leading Teams
LDR6120 (LDR3320)	3 qh	Creating Leadership Bench Strength
Capacity: Developing LDR61470 (LDR3330)	3 qh	Developing the Strategic Leader

(recommended as last course)

Choose one

LDR6135 (LDR3340)	3 qh	The Ethical Leader
LDR6125 (LDR3350)	3 qh	Managing Organizational Culture

# Northeastern University

## College of Professional Studies

### Project Management Roadmap

#### Level 4

#### Fast Track Master of Science in Project Management

42 qh

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Course # (Previous Course #) Course Title

#### Quarter 1

**PJM6150**    3 qh    **Project & Portfolio Management within the Enterprise Management**  
 Combination of  
**PJM6000**    3 qh    **Project Management Practices**  
**PJM6705**    3 qh    **Portfolio Management in the Enterprise Environment**

**LDR6140 (LDR3515)**    6 qh    **Strategic Leadership**  
 Combination of  
**LDR6100**    3qh    **Developing Your leadership Capability**  
**LDR6110**    3 qh    **Leading Teams**

#### Quarter 2

**PJM6155**    6 qh    **Project Planning, Scheduling, & Implementation**  
 Combination of  
**PJM6010**    3 qh    **Project Planning and Scheduling**  
**PJM6020**    3 qh    **Cost and Budget Management**

**CMN6060 (CMN3510)**    6 qh    **Internal & External Negotiation and Mediation**  
 Combination of  
**CMN6060**    3 qh    **Negotiation, Mediation, and Facilitation**  
**LDR6135**    3 qh    **The Ethical Leader**

#### Quarter 3

**PJM6160**    6 qh    **Project Risk and Quality Strategies for Project Success**  
 Combination of  
**PJM6015**    3 qh    **Risk Management**  
**PJM6135**    3 qh    **Project Quality Management**

**PJM6140**    3 qh    **Recovery Techniques for Troubled Projects**  
 Based on  
**PJM6140**    3 qh    **Managing Troubled Projects**

#### Quarter 4

**PJM6165**    6 qh    **Project Evaluation & Financial Analysis**  
 Combination of  
**PJM6125**    3 qh    **Project Evaluation and Assessment**  
**PJM6130**    3 qh    **Organizational and Financial Views of Projects**

**TBD**    6 qh    **Master's Project (Capstone)**

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### Project Management Roadmap

**Level 4**  
**Master of Science in Leadership**  
**With Project Management Specialization**  
 42 - 45 qh  
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 Course # (Previous Course #) Course Title

**Core Courses**  
27 - 30 qh

**15 qh Project Management Specialization**

**Required – 21 qh**

LDR3300 (LDR6100)	3 qh	Developing Your leadership Capability
LDR6110 (LDR3310)	3 qh	Leading Teams
LDR6120 (LDR3320)	3 qh	Creating Leadership Capacity: Developing Bench Strength
LDR6125 (LDR3350)	3 qh	Managing Organizational Culture
LDR6135 (LDR3340)	3 qh	The Ethical Leader
LDR6140 (LDR3330)	3 qh	Developing the Strategic Leader
LDR7995 (LDR3370)	3 qh	Master's Project

**Graduate Electives – Choose one – 3 qh:**

CMN6010 (CMN3010)	3 qh	Foundations of Organizational Communication
CMN6060 (CMN3060)	3 qh	Negotiation, Mediation, and Facilitation
CMN6110 (CMN3110)	3 qh	Group Dynamics and Interpersonal Conflict: Meeting Management
HRM6005 (HRM3100)	3 qh	Creating a High Performance Organization
LDR6360 (LDR3360)	3 qh	Dynamics of Change at the Community and Social Level
NPM6110 (NPM3110)	3 qh	Legal and Governance Issues in Nonprofit Organizations

**Open Electives – One to two – 3 to 6 qh:**

\*Open electives must include at least 3 quarter hours of non-business electives (not ACC, FI, HRM, MIS, MKT, or PM prefixes).

PJM6000 (PM3200)	3 qh	Project Management Practices
PJM6010 (PM3210)	3 qh	Must be the first course taken. Project Planning and Scheduling
PJM6015 (PM3215)	3 qh	Risk Management
<b>Choose two</b>		
PJM6020 (PM3220)	3 qh	Cost and Budget Management
PJM6125 (PM3225)	3 qh	Project Evaluation and Assessment
PJM6705 (PM3205)	3 qh	Portfolio Management in the Enterprise Environment
CMN6060 (CMN3060)	3 qh	Negotiation, Mediation, and Facilitation

### Project Management Roadmap

**Level 3**

**Graduate Certificate in Project Management**

18 qh

Course # (Previous Course #) Course Title

3 Required Courses  
9 qh

3 Elective Courses  
9 qh

PJM6000 (PM3200)	3 qh	Project Management Practices
PJM6010 (PM3210)	3 qh	Project Planning and Scheduling
PJM6015 (PM3215)	3 qh	Risk Management

Must be the first course taken.

Choose three		
PJM6020 (PM3220)	3 qh	Cost and Budget Management
PJM6125 (PM3225)	3 qh	Project Evaluation and Assessment
CMN6060 (CMN3060)	3 qh	Negotiation, Mediation, and Facilitation
CMN6110 (CMN3110)	3 qh	Group Dynamics and Interpersonal Conflict: Meeting Management
LDR6110 (LDR3310)	3 qh	Leading Teams
CMG6400 (CM3400)	4 qh	Introduction to Construction Management
RGA6100 (RA3100)	4 qh	Introduction to Drug and Medical Device Regulations

**Level 2**

**Professional Development**

**Project Management Online Certificate Program**

Online

3.6 CEUs, 36 PDU's

12 wks

PDP0200 (PDP5200) Principles of Project Management Certificate program

## Project Management Roadmap

### Level 1

### Undergraduate Electives in Project Management

Course # (Previous Course #) Course Title

<b>MGT2410 (MGT4410)</b>	3 qh	<b>Project Management</b>
<b>Prerequisites</b>		
<b>MGT1002 (MGT4102)</b>	3 qh	<b>Dynamics of Business 2</b>
<b>ENG3003 (ENG4380)</b>	3 qh	<b>Writing for the Professions 1</b>
<b>HRM2101 (HRM4301)</b>	3 qh	<b>Organizational Behavior</b>

<b>MGT4412</b>	6 qh	<b>Project Management Practices &amp; Application</b>
<b>Prerequisites</b>		
<b>None</b>		

<b>MGT2515 (MGT4415)</b>	6 qh	<b>Project Management and Service Operations Management</b>
<b>Prerequisites at least 80 qh plus</b>		
<b>MGT1002 (MGT4102)</b>	3 qh	<b>Dynamics of Business 2</b>
<b>ECN2002 (ECN4251)</b>	3 qh	<b>Statistics 2</b>
<b>MTH2002 (MTH4111)</b>	3 qh	<b>College Algebra 2</b>