

MAJOR

# GRADUATE CERTIFICATE (GCEN)

PM.UMD.EDU

TURNING KNOWLEDGE INTO PRACTICE

## A DISTINCT ADVANTAGE

The Graduate Certificate in Engineering (GCEN)—Project Management (PM) is offered through the Maryland Applied Graduate Engineering (MAGE). Completion of this four course set will provide students with a competitive advantage in the workplace.

This academic certificate is designed for two types of students:

1. For students enrolled in any graduate engineering degree program in the University of Maryland A. James Clark School of Engineering that want to learn the fundamentals of project management.
2. As a stand-alone Certificate Program for students who only want to earn the certificate, not a full masters degree. The four courses could be used as credit towards a full maters degree if the student decides to to convert later.

This graduate certificate requires 12 credit hours (4 courses). The program is designed with a foundation of two core courses and two electives. All courses are shown in the right-hand column.

## THE PROGRAM

### CORE COURSES

- ENCE 662 Fundamentals of Project Management
- ENCE 665 Managing Project Teams: Improving Individual and Team Performance

### ELECTIVE COURSES

- ENCE 603 Data Analytics for the Project Manager
- ENCE 605 Evolving as a Project Leader
- ENCE 606 Graduate Intro to Project Scheduling
- ENCE 607 Mastering Agile Project Management
- ENCE 623 Advanced Project Scheduling
- ENCE 627 Project Risk Management
- ENCE 661 Project Cost Accounting & Finance
- ENCE 664 Legal Aspects of Engineering, Design, & Construction
- ENCE 666 Cost Engineering and Control

## REQUIREMENTS & APPLY

For more information or to apply, visit:  
[pm.umd.edu/program/graduate-certificate/](http://pm.umd.edu/program/graduate-certificate/)

## BRAND YOURSELF BY COMPLETING COURSES IN A CONCENTRATION AREA

Students can choose to complete courses by concentration area. Options to consider are shown below.

### PROGRAM MANAGEMENT

- ENCE 605 Evolving as a Project Leader
- ENCE 607 Mastering Agile Project Management

### CONTRACT MANAGEMENT

- ENCE 661 Project Cost Accounting & Finance
- ENCE 664 Legal Aspects of Engineering, Design, & Construction

### ANALYTICS

- ENCE 603 Data Analytics for the Project Manager
- ENCE 627 Project Risk Management

### CONSTRUCTION MANAGEMENT (CHOOSE TWO)

- ENCE 606 Graduate Intro to Project Scheduling
- ENCE 623 Advanced Project Scheduling
- ENCE 666 Cost Engineering and Control

PROJECT MANAGEMENT CENTER FOR EXCELLENCE



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A.J. CLARK SCHOOL OF ENGINEERING  
Civil & Environmental Engineering Department

