



## PROJECT MANAGEMENT CENTER FOR EXCELLENCE

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



### Architecture + Engineering

# CONSTRUCTION PROJECT MANAGEMENT

## A DISTINCT ADVANTAGE

Engineering and architectural students planning to pursue careers in construction have a distinct competitive advantage if, in addition to having subject matter expertise, technical skills, and people skills they have a working knowledge of the fundamentals of managing construction projects. Employers increasingly seek candidates whose career preparation includes an understanding of construction project management fundamentals.

Students with the Minor in CPM will be better positioned to begin their careers at a more advanced level than those who have no construction project management expertise.

The Minor in Construction Project Management is open to all students in the A. James Clark School of Engineering or the School of Architecture, Planning & Preservation who have earned at least 60 credit hours and have a GPA of 3.0 or higher. Individual courses may be taken as electives. To be awarded the Minor, undergraduate students should complete the five following courses, with a grade “C” or higher.

## ADVISOR

The advisor is Dr. Qingbin Cui: [cui@umd.edu](mailto:cui@umd.edu).

## CORE REQUIREMENTS

- ENCE 325 Introduction to Construction Project Management
- ENCE 423 Project Planning, Estimating & Scheduling
- ENCE 424 Communications for Project Managers
- ENCE 426 Building Information Management or ARCH 468 BIM
- Non-credit summer internship

## ELECTIVE COURSES

In addition to the four core courses, we offer six electives to choose one from.

- ENCE 420 Selection & Utilization of Construction Equipment
- ENCE 421 Legal Aspects of Architectural & Engineering Practice
- ENCE 422 Project Cost Accounting & Economics,
- ARCH 430 Measuring Sustainability in Architecture
- ARCH 462 Methods & Materials of Building Construction
- ARCH 467 Integrated Project Delivery

Two of five courses for the minor may count toward the student’s major.