CONSTRUCTION PROJECT MANAGEMENT MINOR (ENGR)

A. James Clark School of Engineering
1131 Glenn L. Martin Hall
301-405-0234

School of Architecture, Planning and Preservation
Architecture Building
301-405-8000

A minor in Construction Project Management will prepare students for employment in one of the many careers related to the built environment, such as project management, architectural engineering, design and commercial construction. Students will learn how to manage multiple phases of operation and management in the construction process including building information modeling, cost estimating, project scheduling, construction financing and planning. The Construction Project Management minor is ideal for students in Architecture, Engineering and similar fields. This minor is designed to give students a competitive advantage when applying for a job in the construction industry.

Admissions Requirements
This Minor is only available to undergraduate students in the A. J. Clark School of Engineering and the School of Architecture, Planning and Preservation who have earned at least 60 credit hours (Junior standing) and have a Maryland GPA of 3.0 or higher.

Application Process
Interested students must complete an application to the Minor and get approval from his/her Major advisor and the CPM Minor advisor for his/her school. Students can get an application from his/her Major advisor or go to: http://pm.umd.edu/program/cpm-minor/ for an online copy.

For more information about this minor, please contact the advisor associated with your College/School:

- Engineering – CPM Minor Advisor- Dr. Qingbin Cui: cui@umd.edu
- Architecture – CPM Minor Advisor - Heidi Bulich: hbulich@umd.edu

Requirements
The Minor in Construction Project Management consists of 15 credit hours. Students must complete 5 of the following courses with a grade of "C-" or better and have a minimum 2.0 GPA for the minor. Students must also complete an internship in the construction industry.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENCE325</td>
<td>Introduction to Construction Project Management</td>
<td>3</td>
</tr>
<tr>
<td>ENCE423</td>
<td>Project Planning, Estimating &amp; Scheduling</td>
<td>3</td>
</tr>
<tr>
<td>ENCE424</td>
<td>Communication for Project Managers</td>
<td>3</td>
</tr>
<tr>
<td>ENCE426</td>
<td>Construction Documentation and BIM Applications in Engineering and Construction</td>
<td>3</td>
</tr>
<tr>
<td>or ARCH472</td>
<td>Building Information Modeling Communication and Collaboration</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following: 3

- ENCE420 Selection and Utilization of Construction Equipment
- ENCE421 Legal Aspects of Architectural and Engineering Practice
- ENCE422 Project Cost Accounting and Economics
- ARCH430 Measuring Sustainability in Architecture
- ARCH462 Methods & Materials of Building Construction
- ARCH467 Integrated Project Delivery

Total Credits 15

1. Course offered in Fall and Spring
2. Course offered in Fall, Spring and online in the Summer
3. Course offered in the Fall
4. Course offered in the Spring