

# Construction Management

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## Department Information

- **Interim Department Chair:**  
Achintya Bezbaruah, Ph.D.
- **Graduate Coordinator:**  
Kalpana Katti, Ph.D.
- **Department Location:**  
Engineering 106
- **Department Phone:**  
(701) 231-7244
- **Department Web Site:**  
[www.ndsu.edu/ccee/](http://www.ndsu.edu/ccee/) (<http://www.ndsu.edu/ccee/>)
- **Application Deadline:**  
Fall: May 1; Spring: October 1 for M.S. and Master of Construction Management, November 1 for Certificate
- **Credential Offered:**  
MSCM, MCM, Graduate Certificate
- **Test Requirement:**  
GRE (M.S. applicants)
- **English Proficiency Requirements:**  
M.S.: TOEFL iBT: 81, IELTS: 7, PTE Academic 54, Duolingo 105; Master of Construction Management: TOEFL iBT: 79, IELTS: 6.5, PTE Academic: 53, Duolingo 105

## ***Master of Science in Construction Management (MSCM)***

The M.S. in Construction Management requires a total of 31 graduate-level credits (24 credits of course work, 6 credits of research/thesis, and 1 credit of seminar) and a thesis. The thesis requires the creation and presentation of new knowledge in providing a solution to a problem. Prior to submitting a thesis to the graduate student's supervisory committee, the thesis must be reviewed by a departmentally approved external editor. All costs associated with external review are the responsibility of the graduate student.

An example plan of study for the M.S. in Construction Management is shown below:

Code	Title	Credits
CM&E 790	Graduate Seminar	1
CM&E 603	Scheduling and Project Control	3
CM&E 605	Construction Support Operations	3
CM&E 701	Construction Technology and Equipment	3
CM&E 711	Construction Cost Estimating	3
CM&E 712	Construction Management	3
600, 700 or 800-level electives *		9
CM&E 798	Master's Thesis	6
<b>Total Credits</b>		<b>31</b>

\* Electives may be any 600, 700, or 800-level courses offered at NDSU determined by the student and the major faculty adviser. A minimum cumulative grade point average (CGPA) of 3.0 must be achieved to receive the M.S. degree.

## ***Master of Construction Management (MCM)***

The Master of Construction Management degree consists of thirty (30) credits of course work and AC Examination. The following ten (10) courses constitute the thirty (30) credits of course work required for the degree.

Code	Title	Credits
CM&E 603	Scheduling and Project Control	3
CM&E 605	Construction Support Operations	3
CM&E 660	Infrastructure Management	3
CM&E 701	Construction Technology and Equipment	3

CM&E 703	Advanced Project Planning and Control	3
CM&E 711	Construction Cost Estimating	3
CM&E 712	Construction Management	3
CM&E 715	Construction Specifications and Contracts	3
CM&E 725	Decision Making and Risk Analysis	3
CM&E 740	Financial and Economic Concepts for Construction Managers	3

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**Total Credits** **30**

#### Schedule of Courses

##### Summer Semester

CM&E 603 Scheduling and Project Control  
 CM&E 660 Infrastructure Management

##### Fall Semester

CM&E 703 Advanced Project Planning and Control  
 CM&E 712 Construction Management  
 CM&E 715 Construction Specifications and Contracts  
 CM&E 740 Financial and Economic Concepts for Construction Managers

##### Spring Semester

CM&E 605 Construction Support Operations  
 CM&E 701 Construction Technology and Equipment  
 CM&E 711 Construction Cost Estimating  
 CM&E 725 Decision Making and Risk Analysis

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### ***Graduate Certificate in Construction Management (CCM)***

The certificate program consists of nine credits encompassing the following three (3) courses:

<b>Code</b>	<b>Title</b>	<b>Credits</b>
CM&E 603	Scheduling and Project Control	3
CM&E 711	Construction Cost Estimating	3
CM&E 712	Construction Management	3
<b>Total Credits</b>		<b>9</b>

Only grades of C or higher will satisfy requirements for certificate completion with a CGPA of 3.0 or greater. Courses used to satisfy the Graduate Certificate requirements cannot be older than three years at the time the certificate completion is verified.