

# Construction Management

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## Department Information

- **Department Location:**  
Engineering Bldg 106
- **Department Phone:**  
701-231-6202
- **Department Web Site:**  
[www.ndsu.edu/construction/](http://www.ndsu.edu/construction/)
- **Credential Offered:**  
B.S.Cons.M.
- **Plan Of Study Sample:**  
[bulletin.ndsu.edu/programs-study/undergraduate/construction-management/#planofstudytex](http://bulletin.ndsu.edu/programs-study/undergraduate/construction-management/#planofstudytex)

## Major Requirements

### Major: Construction Management

Degree Type: B.S.Cons.M.

Minimum Credits Required for Degree: 124

### University Degree Requirements

1. Satisfactory completion of all requirements of the curriculum in which one is enrolled.
2. Earn a minimum total of 120 credits in approved coursework. Some academic programs exceed this minimum.
3. Satisfactory completion of the general education requirements as specified by the university.
4. A minimum institutional GPA of 2.00 based on work taken at NDSU.
5. At least 36 credits presented for graduation must be in courses numbered 300 or higher.
6. Transfer Students: Must earn a minimum of 60 credits from a baccalaureate-degree granting or professional institution.
  - a. Of these 60, at least 36 must be NDSU resident credits as defined in #7.
  - b. Within the 36 resident credits, a minimum of 15 must be in courses numbered 300 or higher and 15 credits in the major field of study.
7. At least 36 credits must be NDSU resident credits. Resident credits include credits registered and paid for at NDSU.

For complete information, please refer to the Degree and Graduation Requirements (<http://bulletin.ndsu.edu/past-bulletin-archive/2020-21/academic-policies/undergraduate-policies/degree-and-graduation>) section of this Bulletin.

### University General Education Requirements

Code	Title	Credits
<b>Communication (C)</b>		12
ENGL 110	College Composition I	
ENGL 120	College Composition II	
COMM 110	Fundamentals of Public Speaking	
Upper Division Writing <sup>†</sup>		
<b>Quantitative Reasoning (R) <sup>†</sup></b>		3
<b>Science and Technology (S) <sup>†</sup></b>		10
<b>Humanities and Fine Arts (A) <sup>†</sup></b>		6
<b>Social and Behavioral Sciences (B) <sup>†</sup></b>		6
<b>Wellness (W) <sup>†</sup></b>		2
<b>Cultural Diversity (D) <sup>*†</sup></b>		
<b>Global Perspectives (G) <sup>*†</sup></b>		
Total Credits		39

\* May be satisfied by completing courses in another General Education category.

† General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review major requirements to determine if specific courses can also satisfy these general education categories.

- A list of university approved general education courses and administrative policies are available here (<http://bulletin.ndsu.edu/past-bulletin-archive/2020-21/academic-policies/undergraduate-policies/general-education/#genedcoursestext>).

## Major Requirements

Code	Title	Credits
<b>Construction Management Core Requirements</b>		
CM&E 111	Introduction to Construction Management and Engineering	1
CM&E 200	Construction Documents and Codes	3
CM&E 203	Building Construction: Methods and Materials	3
CM&E 204	Construction Surveying	3
CM&E 212	Construction Graphic Communications	3
CM&E 240	Financial Cost Concepts for Construction Managers	3
CM&E 250	Construction Statics and Mechanics	3
CM&E 260	Soils and Foundations	3
CM&E 301	Construction Technology and Equipment	3
CM&E 305	Pre-Construction Management	3
CM&E 315	Specifications and Contracts	3
CM&E 380	Construction Estimating: Quantities and Costs	3
CM&E 403	Scheduling and Project Control	3
CM&E 405	Construction Support Operations	3
CM&E 421	Electrical and Mechanical Construction	3
CM&E 431	SUSTAINABLE DESIGN AND CONSTRUCTION	3
CM&E 450	Steel Design and Construction	3
CM&E 453	Concrete Design and Construction	3
CM&E 488	Construction Management Capstone	3
Additional Courses:		
CHEM 121 & 121L	General Chemistry I and General Chemistry I Laboratory (May satisfy general education category S)	4
ENGL 320 or ENGL 321	Business and Professional Writing (May satisfy general education category C) Writing in the Technical Professions	3
GEOL 105	Physical Geology (May satisfy general education category S)	3
MATH 105 or MATH 107	Trigonometry Precalculus	3
MATH 146	Applied Calculus I (May satisfy general education category R)	4
PHYS 211 & 211L	College Physics I and College Physics I Laboratory (May satisfy general education category S)	4
STAT 330	Introductory Statistics	3
<b>Business Minor Courses:</b>		24
ACCT 102	Fundamentals of Accounting	3
Select one from the following (May satisfy general education category B & G):		3 or 6
ECON 105	Elements of Economics	
ECON 201 & ECON 202	Principles of Microeconomics and Principles of Macroeconomics	
MGMT 320	Foundations of Management	3
MRKT 320 or FIN 320	Foundations of Marketing Principles of Finance	3
BUSN 431	Business Law I-Contracts, Property and Torts	3
BA Minor 300/400 Elec. I		3
BA Minor 300/400 Elec. II		3
BA Minor 300/400 Elec. III		3

Students must apply for the minor through the College of Business and maintain a minimum 2.50 cumulative GPA to be eligible to enroll in all 300/400 level courses offered by the College of Business

Total Credits

103-106

### **Degree Requirements and Notes**

- A student must complete at least 60 semester credits of professional level course work in his/her program while in residence and enrolled in the College of Engineering. Students transferring into the College of Engineering from programs with professional accreditation are exempt from this residency requirement but are subject to the University residency requirement.
- An overall minimum cumulative GPA of 2.50 in all courses and a minor in Business Administration with a minor GPA of 2.50 are required to graduate with a B.S. in Construction Management.
- A cumulative GPA of 2.50 is required for both internal and external transfer students into this program.
- To satisfy the Gen Ed Category B requirements, a student can choose between two options: ECON 105 plus an additional course within Category B OR ECON 201 and ECON 202. Both options satisfy the Gen Ed Category G requirement and the requirements for the BA minor.