

COLLEGE OF ENGINEERING

MAJOR: CONSTRUCTION MANAGEMENT

ACADEMIC YEAR: 2013-2014

DEGREE TYPE: B.S.Cons.M.

REQUIRED DEGREE CREDITS TO GRADUATE: 125

GENERAL EDUCATION REQUIREMENTS – 40 CREDITS

Lower Division Requirements – 37 Credits

First Year Experience (F) - 1 Credit

UNIV	189	Skills for Academic Success (PP)	1 cr
Students transferring in 24 or more credits do not need to take UNIV 189.			

Communication (C) - 9 Credits

ENGL	110	College Composition I (PP)	3 cr
ENGL	120	College Composition II (PP)	3 cr
COMM	110	Fund of Public Speaking (PP)	3 cr

Quantitative Reasoning (R) - 3 Credits

MATH	146	Applied Calculus I (PP)	4 cr
------	-----	-------------------------	------

Science & Technology (S) - 10 Credits

CHEM	121/L	General Chemistry I/Lab (PP)	3/1 cr
PHYS	211/L	College Physics I/Lab	3/1 cr
GEOL	105	Physical Geology	3 cr

Humanities & Fine Arts (A) - 6 Credits

Select from current general education courses www.ndsu.edu/registrar/gened/

Social & Behavioral Sciences (B) - 6 Credits

ECON	105	Elements of Economics (PP)	3 cr
PSYC	111	Introduction to Psychology (PP)	3 cr

Wellness (W) - 2 Credits

Select from current general education courses www.ndsu.edu/registrar/gened/

Cultural Diversity (D)

Select from current general education courses www.ndsu.edu/registrar/gened/

Global Perspectives (G)

ECON	105	Elements of Economics	
------	-----	-----------------------	--

Upper Division Requirements - Writing – 3 Credits

ENGL320 or 321	3 cr
----------------	------

CONSTRUCTION MANAGEMENT REQUIREMENTS - 83 CREDITS

CM&E Courses Required - 56 Credits

CM&E	111	Introduction to CM&E (PP)	1 cr
CM&E	200	Construction Documents & Codes (PP)	3 cr
CM&E	203	Building Construction: Methods & Materials	3 cr
CM&E	204	Construction Surveying	3 cr
CM&E	212	Construction Graphic Communications (PP)	3 cr
CM&E	240	Financial Cost Concepts	3 cr
CM&E	250	Construction Statics and Mechanics	3 cr
CM&E	260	Soils and Foundations	3 cr
CM&E	301	Construction Equipment	4 cr
CM&E	310	Construction Quality Control	2 cr
CM&E	315	Specifications and Contracts	3 cr
CM&E	380	Construction Estimating	4 cr
CM&E	385	Construction Safety	2 cr
CM&E	403	Scheduling & Project Control	4 cr
CM&E	412	Construction Management Capstone	3 cr
CM&E	421	Electrical and Mechanical Construction	3 cr
CM&E	430	Land Development	3 cr
CM&E	450	Steel Design for Technologists	3 cr
CM&E	453	Concrete Design	3 cr

Additional Courses – 6 Credits

MATH	105 or 107	Trigonometry (PP) or Pre-Calculus (PP)	3 cr
STAT	330	Introduction to Statistics	3 cr

Business Minor courses – 24 Credits

- Includes Econ 105
 - Students must apply for the minor through the College of Business and maintain a 2.50 cumulative GPA to be eligible to enroll in all 300/400 level courses offered by the College of Business
- | | | | |
|-------------------------|-----------------|----------------------------|------|
| ACCT | 102 | Fundamentals of Accounting | 3 cr |
| BUSN | 431 | Business Law 1 | 3 cr |
| MGMT | 320 | Foundations of Management | 3 cr |
| MRKT | 320 or FIN 320 | | 3 cr |
| BUSN, MGMT, MRKT or FIN | minor electives | | 9 cr |

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. Students transferring into the college from programs with professional accreditation are exempt from this residency requirement but are subject to the residency requirement of NDSU.
- (PP):** Admission to the Pre-Professional Construction Management program requires a 2.50 cumulative GPA in college-level coursework if a student transfers from another NDSU program or from another university.
- Admission to the Construction Management Professional program requires a 2.75 cumulative GPA.