

FINISH IN 4 AT UND

When you begin your Civil Engineering degree at Bismarck State College.

Plan of Study: Bachelor of Science in Civil Engineering

Begin courses at BSC		
First Year First Semester		
ENGL 110 – College Composition		3
MATH 165 – Calculus I		4
CHEM 121/121L – General Chemistry I and lab		5
Humanities course – HIST 101, 102, 103 or 104		3
Fine Arts Elective		3
Total Credits		18
First Year Second Semester		
CHEM 122/122L – General Chemistry II and lab		5
ENGL 120/125 – College Composition <u>or</u> Intro to Professional Writing		3
MATH 166 – Calculus II		4
COMM 110 – Public Speaking		3
ENGR 201 – Statics		3
Total Credits		18
Second Year First Semester		
ENGR 204/L – Surveying I and lab		4
MATH 265 – Calculus III		4
PHYS 251/251L – University Physics I and lab		5
ENGR 202 – Dynamics		3
MATH 210 – Elementary Statistics		3
Total Credits		19
Apply to UND by April 15		
<ul style="list-style-type: none"> • Complete online application at UND.edu/transfer • Request BSC transcripts to be sent to UND. 		
Apply for scholarships at UND by March 1		
<ul style="list-style-type: none"> • After admission submit application for campus-wide scholarships in UND's Scholarship Central 		
Second Year Second Semester		
MATH 266 – Differential Equations		3
ECON 201 – Principles of Economics		3
ENGR 203 – Mechanics of Materials		3
CAD 211 – Computer Aided Design		3
Social Science Elective		3
Enrichment Course		3
Total Credits		18
Take next steps to begin at UND		
<ul style="list-style-type: none"> • Begin new student checklist at UND.edu/admitted • Attend UND Transfer Student Orientation at UND.edu/orientation 		
Third Year First Semester		
ENGR 340 – Professional Integrity in Engineering		3
CE 411 – Civil Engr. Material Lab		1



CE 306 – Fluid Mechanics	3
CE 351 – Structural Mechanics	4
CE 412/412L – Soil Mechanics and lab	4
HUM/AW – Humanities – Analyzing Worldviews	3
Total Credits	16
Third Year Second Semester	
CE 101 – Intro to Civil Engineering	1
CE 423/423L – Hydraulic Engineering and lab	4
CE 431/431L – Environmental Engineering and lab	4
CE 451 – Steel Design	3
GEOE 203 – Earth Dynamics	3
CE 103 – Graphical Communication	3
Total Credits	18
Fourth Year First Semester	
CE 421 – Hydrology	3
CE 432 – Environmental Engineering II	3
CE 453 – Reinforced Concrete	3
CE 482 – Civil Engineering Design	3
ENGR 460 – Engineering Economy	3
CE Technical Elective	3
Total Credits	18
Apply to graduate from UND	
<ul style="list-style-type: none"> • After registering for your last semester of courses, apply at UND.edu/commencement 	
Fourth Year Second Semester	
CE 414 – Foundation Engineering	3
CE 416 – Transportation Engineering	3
CE 444 – Contracts and Specifications	3
CE 483 – Civil Engineering Design	3
ENGR 200 – Computer Applications in Engineering	2
CE Technical Elective	3
Total Credits	17
TOTAL CREDITS TO GRADUATE	142