

LEADERS CAN START ANYWHERE... AND FINISH THEIR DEGREE AT UND

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

Courses are sequenced to provide guidance and to help ensure that prerequisites are met.

Catalog Year: 2022-2023

Plan of Study: Bachelor of Science in Civil Engineering

Begin courses at Bismarck State College		
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		18
<p>Apply to UND by April 15</p> <ul style="list-style-type: none"> Complete online application at UND.edu/transfer Request transcripts to be sent to UND from BSC. <p>Apply for scholarships at UND by March 1</p> <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
<p>Take next steps to begin at UND</p> <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

This information is provided as guide only. Students are strongly encouraged to meet with their major specific UND advisor.

An official evaluation of transfer credit will be done upon admission to the university. Transfer credits will be evaluated and applied according to the current catalog and the approved Essential Studies list at the first semester of enrollment at UND.

Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.

Students are required to fulfill UND graduation and GPA requirements to receive a degree and should consult with their UND advisor and the undergraduate catalog for details.