

Transfer Guide

University of North Dakota and Bismarck State College

Bismarck, ND

Degree: Bachelor of Science in Civil Engineering

Major: CIVIL ENGINEERING

The following information was updated according to the 2019-2020 UND CATALOG - Students satisfactorily completing the courses below may transfer them to UND in fulfillment of the corresponding course requirements for this degree. Essential Studies equivalencies, courses, and major requirements may change. 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.

Students planning to transfer to UND are encouraged to have phone or email contact with a UND advisor. Students may call the Advising Office at 1-800-CALL-UND ext. 2180 or (701) 777-2180.

128 credits are required to graduate with a civil engineering degree from UND.

| BSC | | Course/Credits/Title | UND | | Course/Credits/Title |
|---|-----|--------------------------------------|-----------------|-----|---------------------------------------|
| <u>I. Communication - COM</u> | | | | | |
| ENGL 110 | 3 | College Composition I | ENGL 110 | 3 | College Composition I |
| ENGL 120 or | 3 | College Composition II | ENGL 130 or | 3 | Comp II: Writing for Public Audiences |
| ENGL 125 | 3 | Introduction to Professional Writing | ENGL 130 | 3 | Comp II: Writing for Public Audiences |
| No Equivalent | 3 | Must be taken at UND | CE 482 | 3 | Civil Engineering Design I |
| <u>II. Social Science - SS</u> | | | | | |
| Elective Credit | 3 | Elective Credit | Elective Credit | 3 | Elective Credit |
| Must be taken at UNB | | Must be taken at UND | ENGR 340 | 3 | Professional Integrity in Engineering |
| Must be taken at UNB | | Must be taken at UND | ENGR 460 | 3 | Engineering Economy |
| <u>III. Arts and Humanities - FA/HUM</u> | | | | | |
| Elective Credit | 9* | Credit from at least two depts. | Elective Credit | 9* | Credit from at least two depts. |
| *Must include 3 credits designated as Fine Arts and 3 credits designated as Humanities. | | | | | |
| <u>IV. Mathematics, Science & Technology - MST</u> | | | | | |
| CHEM 121/L | 4/1 | General Chemistry I/Lab | CHEM 121/L | 3/1 | General Chemistry I/Lab |
| MATH 165 | 4 | Calculus I | MATH 165 | 4 | Calculus I |
| MATH 166 | 4 | Calculus II | MATH 166 | 4 | Calculus II |
| PHYS 251/L | 4/1 | University Physics I/Lab | PHYS 251 | 4 | University Physics I |
| CHEM 122/L or | 4/1 | General Chemistry II/Lab | CHEM 122/L or | 3/1 | General Chemistry II/Lab |
| BIOL 150/L or | 3/1 | General Biology I | BIOL 150/L or | 3/1 | General Biology I |
| PHYS 252/L | 4/1 | University Physics II/Lab | PHYS 252 | 4 | University Physics II |
| <u>Other Program Requirements</u> | | | | | |
| CT 251/L | 3/1 | Materials Testing/Lab | CE 301 | 2 | Civil Engineering Lab I |
| ENGR 201 | 3 | Statics | ENGR 201 | 3 | Statics |
| ENGR 202 | 3 | Dynamics | ENGR 202 | 3 | Dynamics |
| ENGR 203 | 3 | Mechanics of Materials | ENGR 203 | 3 | Mechanics of Materials |
| ENGR 204/L | 3/1 | Surveying 1 | CIEN 313/L | 3/1 | General Surveying |
| GEOL 105/105L | 3/1 | Physical Geology/Lab | GEOL 101/L | 3/1 | Introduction to Geology/Lab |

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|---------------|---|--------------------------------------|-----------------|---|--------------------------------------|
| GIS 201 | 3 | Advanced GIS Applications | Elective Credit | 3 | Civil Engineering Technical Elective |
| GIS 215 | 3 | GPS, Photogrammetry & Remote Sensin | Elective Credit | 3 | Civil Engineering Technical Elective |
| GIS 225 | 3 | GIS Project Development & Management | Elective Credit | 3 | Civil Engineering Technical Elective |
| MATH 220 | 3 | Probability and Statistics | ECON 210 | 3 | Intro to Business & Econ Statistics |
| MATH 265 | 4 | Calculus III | MATH 265 | 4 | Calculus III |
| MATH 266 | 3 | Intro to Differential Equations | MATH 266 | 3 | Elementary Differential Equations |
| No Equivalent | 3 | Must be taken at UND | CE 103 | 3 | Graphical Communications |

A complete list of approved Essential Studies courses can be found online at: [Essential Studies Approved Courses](#).

Additional classes will be required to earn the above degree; a minimum of 120 credits is required to graduate from UND. A complete listing of program requirements can be found in the [Academic Catalog](#) and [Four Year Plans](#).

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