Articulation Agreement
University of North Dakota and Inver Hills Community College
Inver Grove Heights, M

**Degree:** Bachelor of Science in Civil Engineering  
**Major:** CIVIL ENGINEERING

The following information was updated according to the 2015-2016 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 adviser. Students may call the Advising Office at 1-800-CALL-UND ext. 3411 or 777-3411

---

134 credits are required to graduate with a civil engineering degree from UND.  
*Other IHCC credits may satisfy these requirements. Contact the department for details.

### IHCC Course/Credits/Title | UND Course/Credits/Title
--- | ---
**I. Communication - COM**
ENG 1108 4 Writing and Research Skills | ENGL 110 3 College Composition I
ENGL 1111 3 Research Writing in the Disciplines | ENGL 130 3 Comp II: Writing for Public Audiences

**II. Social Science - SS**
Elective Credit 9 Credit from at least two depts. | Elective Credit 9 Credit from at least two depts.

**III. Arts and Humanities - FA/HUM**
PHIL 1112 3 Ethics | PHIL 250 3 Ethics in Engineering & Science
Elective Credit 6* Credit from at least two depts. | Elective Credit 6* Credit from at least two depts.

*must include 3 credits designated as Fine Arts and 3 credits designated as Humanities

**IV. Mathematics, Science & Technology - MST**
CHEM 1061 5 Principles of Chemistry I (Q) | CHEM 121/L 3/1 General Chemistry I/Lab
CHEM 1062 5 Principles of Chemistry II (Q) | CHEM 122/L 3/1 General Chemistry II/Lab
MATH 1133 5 Calculus I | MATH 165 4 Calculus I
MATH 1134 5 Calculus II | MATH 166 4 Calculus II

**Other Program Requirements**
ENGR 1000 2 Orientation to Engineering | CE 101 1 Intro to Civil Engineering
ENGR 1200 3 Engineering Graphics | ENGR 101 3 Graphical Communication
ENGR 2020 3 Statics | ENGR 201 3 Statics
ENGR 2025 3 Dynamics | ENGR 202 3 Dynamics
MATH 2219 5 Multivariable Calculus | MATH 265 4 Calculus III
MATH 2222 3 Introduction to Differential Equations | MATH 266 3 Elementary Differential Equations
PHYS 1081 5 Calculus Based Physics I/Lab | PHYS 251/L 4 University Physics I/Lab
PHYS 1082 5 Calculus Based Physics II/Lab | PHYS 252/L 4 University Physics II/Lab

A complete list of approved Essential Studies courses can be found online at [http://und.edu/academics/essential-studies/approved-courses.cfm](http://und.edu/academics/essential-studies/approved-courses.cfm)

When choosing your Essential Studies (General Education) Courses in Communication, Fine Arts and Humanities, Social Science, and Math, Science Technology, you will need to consider how you will meet the special emphasis requirements. Courses listed above that meet a special emphasis requirement are marked as follows: Oral Communication requirement (O), Social-Cultural Diversity requirement: United States (U), Social-Cultural Diversity requirement: Global (G), Quantitative Reasoning requirement (Q), and Advanced Communication requirement (A). To learn more please go to [http://und.edu/academics/essential-studies](http://und.edu/academics/essential-studies) or check with your adviser.

All students-including transfers-are required to take an Essential Studies upper division Capstone (C) course at UND. Approved Capstone courses are taken in the senior year of a student’s undergraduate program.

Additional classes will be required to earn the above degree; a minimum of 125 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.