

Articulation Agreement

University of North Dakota and Central Lakes College

All locations, MN

Degree: Bachelor of Science in Geological Engineering

Major: GEOLOGICAL ENGINEERING

The following information was updated according to the 2017-2019 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 (701) 777-3411.

133 credits are required to graduate with a geological engineering degree from UND.

CLC	Course/Credits/Title	UND	Course/Credits/Title
<u>I. Communication - COM</u>			
ENGL 1410	4 Composition I	ENGL 110	3 College Composition I
ENGL 1411	4 Composition II	ENGL 130	3 Comp II: Writing for Public Audiences
<u>II. Social Science - SS</u>			
Elective Credit	9 Credit from at least two depts.	Elective Credit	9 Credit from at least two depts.
<u>III. Arts and Humanities - FA/HUM</u>			
Elective Credit	6 Credit from at least two depts.	Elective Credit	6 Credit from at least two depts.
PHIL 2420	3 Ethics	PHIL 250	3 Ethics in Engineering & Science
<u>IV. Mathematics, Science & Technology - MST</u>			
CHEM 1424	5 Chemical Principles I (Q)	CHEM 121/L	3/1 General Chemistry I/Lab
CHEM 1425	5 Chemical Principles II (Q)	CHEM 122/L	3/1 General Chemistry II/Lab
MATH 1477	5 Calculus I	MATH 165	4 Calculus I
MATH 1478	5 Calculus II	MATH 166	4 Calculus II
<u>Other Program Requirements</u>			
ENGR 2548 or	3 Dynamics	ENGR 202 or	3 Dynamics
ENGR 2569	4 Circuit Analysis I	EE 206	3 Circuit Analysis
ENGR 2547	3 Statics	ENGR 201	3 Statics
ENGR 2549	3 Mech of Materials	ENGR 203	3 Mechanics of Materials
ESCI 1411	4 Physical Geology	GEOE 203/L	4 Earth Dynamics/Lab
MATH 2458	4 Multivariable Calculus	MATH 265	4 Calculus III
MATH 2459	4 Diff Equations	MATH 266	3 Elementary Differential Equations
No Equivalent	No equivalent at CLC	PHYS 251/L	4 University Physics I/Lab
No Equivalent	No equivalent at CLC	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>

When choosing your Essential Studies (General Education) Courses in Communication, Fine Arts and Humanities, Social Science, and Math, Science and 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> 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 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.