

Articulation Agreement

University of North Dakota and Schreiner University

Kerrville, TX

Degree: Bachelor of Science

Major: CIVIL ENGINEERING

The following information was updated according to the 2015-2017 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.

SU	Course/Credits/Title	UND	Course/Credits/Title
<u>I. Communication - COM</u>			
COMM 2301	3 Communication	COMM 110	3 Fundamentals of Public Speaking
ENGL 1301	3 Rhetoric and Composition	ENGL 110	3 College Composition I
ENGL 3303	3 Technical Communication	ENGL 130	3 College Comp II: Writing for Public Audiences
<u>II. Social Science - SS</u>			
Elective Credit	3 Elective Credit	Elective Credit	3 Elective Credit
No Equivalent	3 Must be taken at UND	ENGR 460	3 Engineering Economics
No Equivalent	3 Must be taken at UND	ChE 340	3 Professional Integrity in Engineering
<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.
<u>IV. Mathematics, Science & Technology - MST</u>			
CHEM 1301/1101	3/1 General Chemistry I/Lab	CHEM 121/L	3/1 General Chemistry I
CHEM 1302/1102	3/1 General Chemistry II/Lab	CHEM 122/L	3/1 General Chemistry II
MATH 2422	4 Calculus I	MATH 165	4 Calculus I
MATH 2423	4 Calculus II	MATH 166	4 Calculus II
<u>Other Program Requirements</u>			
No Equivalent	3 Must be taken at UND	MATH 321 or	3 App. Stat. Methods
No Equivalent	3 Must be taken at UND	ECON 210	3 Intro to Business & Econ Statistics
CHEM 2411	4 Organic Chemistry I	CHEM 341/L	4/1 Organic Chemistry I/Lab
MATH 3324	3 Calculus III	MATH 265	4 Calculus III
MATH 3425	3 Differential Equations	MATH 266	3 Intro to Differential Equations
PHYS 2425	4 University Physics I	PHYS 251	4 University Physics I
PHYS 2426	4 University Physics II	PHYS 252	4 University Physics II
<u>Engineering Science</u>			
ENGR 1310	3 Technical Graphics	ENGR 101	3 Graphical Communication
IS 2310	3 Intro to Programming Logic	ENGR 200	3 Comp. Apps. In Engineering
No Equivalent	3 Must be taken at UND	ENGR 203	3 Mechanics of Materials
No Equivalent	3 Must be taken at UND	ENGR 202	3 Dynamics

Civil Engineering

ENGR 1301	3	Intro to Engineering	CE 101	1	Intro to Civil Engineering
No Equivalent	3	Must be taken at UND	CE 451	3	Steel Design
No Equivalent	2	Must be taken at UND	CE 302	2	Civil Engineering Lab II
No Equivalent	1	Must be taken at UND	CE 313L	1	General Surveying Lab
No Equivalent	2	Must be taken at UND	CE 301	2	Civil Engineering Lab I
No Equivalent	3	Must be taken at UND	CE 306	3	Fluid Mechanics
No Equivalent	3	Must be taken at UND	CE 453	3	Reinforced Concrete
No Equivalent	2	Must be taken at UND	CE 313	2	General Surveying
No Equivalent	4	Must be taken at UND	CE 351	4	Structural Mechanics
No Equivalent	3	Must be taken at UND	CE 414	3	Foundations Engineering
No Equivalent	3	Must be taken at UND	CE 431	3	Environmental Engineering I
No Equivalent	1	Must be taken at UND	CE 202	1	Intro to Dig. Terrain. Mod (NDSCS CT 113)
No Equivalent	5	Must be taken at UND	CE 412	3	Soil Mechanics

Engineering Science

ENGR 3310	3	Engineering Statics	ENGR 201	3	Statics
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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 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 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.