

Articulation Agreement

University of North Dakota and Century College

White Bear Lake, MN

Degree: Bachelor of Science in Chemical Engineering

Major: CHEMICAL 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 chemical engineering degree from UND

* Other CC courses may satisfy these requirements. Contact the department for details.

*Meets elective requirements

CC		Course/Credits/Title	UND		Course/Credits/Title
<u>I. Communication - COM</u>					
ENGL 1021	4	Composition I	ENGL 110	3	College Composition I
ENGL 1022 or	3	Composition II	ENGL 130	3	Comp II: Writing for Public Audiences
ENGL 1025	3	Technical & Professional Writing	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 1031	3	Ethics	Che 340	3	Professional Integrity in Engineering
<u>IV. Mathematics, Science & Technology - MST</u>					
CHEM 1041	5	Principles of Chemistry I (Q)	CHEM 121/L	3/1	General Chemistry I/Lab
CHEM 1042	5	Principles of Chemistry II (Q)	CHEM 122/L	3/1	General Chemistry II/Lab
MATH 1081	5	Single Variable Calculus I	MATH 165	4	Calculus I
MATH 1082	5	Single Variable Calculus II	MATH 166	4	Calculus II
<u>Other Program Requirements</u>					
ENGR 1020	4	Introduction to Engineering	ChE 102	2	Intro to Chemical Engineering
ENGR 1080	3	Statics	ENGR 201	3	Statics
ENGR 2085	3	Deformable Body Mechanics	*ENGR 203	3	Material Science Elective
ENGR 2091	4	Circuits	ENGR 206	3	Fund of Electrical Engineering
CHEM 2041	5	Organic Chemistry I	CHEM 341/L	4/1	Organic Chemistry I/Lab

CHEM 2042	5	Organic Chemistry II	CHEM 342/L	4/1	Organic Chemistry II/Lab
CSCI 1081	5	Programming Fundamentals	*Elective Credit	3	Technical Elective II
MATH 2025	4	Probability and Statistics	*Elective Credit	3	Technical Elective I
MATH 2081	5	Multivariable Calculus	MATH 265	4	Calculus III
MATH 2082	5	Linear Algebra & Differential Eqts.	MATH 266/207	3/2	Elem Diff Equations/Intro to Linear Alg
PHYS 1081	4	Introductory Physics I	PHYS 251/L	4	University Physics I/Lab
PHYS 1082	4	Introductory Physics II	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.