

Transfer Guide

University of North Dakota and Central Lakes College

All locations, MN

Degree: Bachelor of Science

Major: CHEMISTRY

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 adviser. Students may call the Advising Office at 1-800-CALL-UND ext. 4974 or (701) 777-4974.

Students must have completed a full year of calculus-based physics and three semesters of calculus before beginning their junior (third) year chemistry classes.

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
SPCH 1431	3	Fundamentals of Public Speaking	COMM 110	3	Fundamentals of Public Speaking
<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	3	Fine Arts Elective	Elective Credit	3	Fine Arts Elective
LANG 1401	4	Beginning Spanish or German I	LANG 101	4	First Year Language I
LANG 1402	4	Beginning Spanish or German II	LANG 102	4	First Year Language II
<u>IV. Mathematics, Science & Technology - MST</u>					
CHEM 1424	5	Chemical Principles I	CHEM 121/L	3/1	General Chemistry I/Lab
CHEM 1425	5	Chemical Principles II	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>					
CHEM 2472	5	Organic Chemistry I	CHEM 341/L	4/1	Organic Chemistry I/Lab
CHEM 2473	5	Organic Chemistry II	CHEM 342/L	4/1	Organic Chemistry II/Lab
MATH 2458	4	Multivariable Calculus	MATH 265	4	Calculus III
PHYS 1411	5	Engineering Physics I	PHYS 251/L	4	University Physics I/Lab
PHYS 1412	5	Engineering Physics II	PHYS 252/L	4	University Physics II/Lab

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.