

Transfer Guide

University of North Dakota and Normandale Community College

Bloomington, MN

Degree: Bachelor of Science

Major: PHYSICS

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.

NCC		Course/Credits/Title	UND		Course/Credits/Title
<u>I. Communication - COM</u>					
COMM 1101	3	Fundamentals of Public Speaking	COMM 110	3	Fundamentals of Public Speaking
ENGC 1101	4	Freshman Composition	ENGL 110	3	College Composition I
ENGC 2102	3	Business and Technical 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	9*	Credit from at least two depts.	Elective Credit	9*	Credit from at least two depts.
*Must include 3 credits designated as Fine Arts and 3 credits designated as Humanities.					
<u>IV. Mathematics, Science & Technology - MST</u>					
CHEM 1061	5	Principles of Chemistry 1	CHEM 121/L	3/1	General Chemistry I/Lab
CHEM 1062	5	Principles of Chemistry 2	CHEM 122/L	3/1	General Chemistry II/Lab
MATH 1510	5	Calculus 1	MATH 165	4	Calculus I
MATH 1520	5	Calculus 2	MATH 166	4	Calculus II
<u>Other Program Requirements</u>					
MATH 2510	5	Calculus 3: Multivariate Calculus	MATH 265	4	Calculus III
MATH 2520	5	Calculus 4: Diff. Equations & Linear Algebr	MATH 266	3	Elementary Differential Equations
PHYS 1121	5	Physics 1 for Scientists and Engineers	PHYS 251/L	4	University Physics I/Lab
PHYS 1122	5	Physics 2 for Scientists and Engineers	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.