

Transfer Guide

University of North Dakota and Bismarck State College

Bismarck, ND

Degree: Bachelor of Science in Electrical Engineering

Major: ELECTRICAL ENGINEERING

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 advisor. Students may call the Advising Office at 1-800-CALL-UND ext. 2180 or (701) 777-2180.

135 credits are required to graduate with an electrical engineering degree from UND.

BSC		Course/Credits/Title	UND		Course/Credits/Title
<u>I. Communication - COM</u>					
ENGL 110	3	College Composition I	ENGL 110	3	College Composition I
ENGL 120	3	College Composition II or	ENGL 130	3	Comp II: Writing for Public Audiences or
ENGL 125	3	Introduction to 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	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 121/L	4/1	General Chemistry I/Lab	CHEM 121/L	3/1	General Chemistry I/Lab
CHEM 122/L	4/1	General Chemistry II/Lab	Elective Credit	3/1	General Chemistry II/Lab
MATH 165	4	Calculus I	MATH 165	4	Calculus I
MATH 166	4	Calculus II	MATH 166	4	Calculus II
PHYS 251/L	4/1	University Physics I/Lab	PHYS 251	4	University Physics I
PHYS 252/L	4/1	University Physics II/Lab	PHYS 252	4	University Physics II
<u>Other Program Requirements</u>					
EE 206/L	3/1	Circuit Analysis	EE 206/306	4	Circuit Analysis w/Lab
ENGR 201	3	Statics	Elective Credit	3	Non-EE Elective
ENGR 202 or	3	Dynamics or	Elective Credit	6	Non-EE Elective
ENGR 203 or	3	Mechanics of Materials or	Elective Credit		
ENGR 206 or	3	Fluid Mechanics or	Elective Credit		
ENGR 241	3	Thermodynamics	Elective Credit		
MATH 208	3	Discrete Mathematics	MATH 208	3	Discrete Mathematics
MATH 220	3	Probability and Statistics	EE 318	3	Engineering Data Analysis
MATH 227	4	Applied Linear Algebra	Elective Credit	4	Math Elective
MATH 265	4	Calculus III	MATH 265	4	Calculus III
MATH 266	3	Intro to Differential Equations	MATH 266	3	Elementary Differential Equations

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.