

Transfer Guide

University of North Dakota and Bismarck State College

Bismarck, ND

Degree: Bachelor of Science in Mechanical Engineering

Major: MECHANICAL 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.

128 credits are required to graduate with a mechanical 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	ENGL 130	3	Comp II: Writing for Public Audiences or
ENGL 125	3	Introduction to Professional Writing	or ENGL 130	3	Comp II: Writing for Public Audiences
<u>II. Social Science - SS</u>					
Elective Credit	3	Elective Credit	Elective Credit	3	Elective Credit
Must be taken at UNB		Must be taken at UND	ENGR 460	3	Engineering Economy
Must be taken at UNB		Must be taken at UND	ENGR 340 or	3	Professional Integrity in Engineering
Must be taken at UNB		Must be taken at UND	ME 370	3	Engineering Disasters and Ethics
<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>					
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
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	CHEM 122/L	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
<u>Other Program Requirements</u>					
MATH 220	3	Probability and Statistics	MATH 321	3	Applied Statistical Methods
MATH 265	4	Calculus III	MATH 265	4	Calculus III
MATH 266	3	Intro to Differential Equations	MATH 266	3	Elementary Differential Equations
CSCI 160	4	Computer Science I	ENGR 200	2	Computer Applications in Engineering
EE 206/L	3	Circuit Analysis/LAB	ENGR 206	3	Fund of Electrical Engineering
ENGR 101	3	Graphical Communication	ME 101	3	Intro to Mechanical Engineering
ENGR 201	3	Statics	ENGR 201	3	Statics

ENGR 202	3	Dynamics	ENGR 202	3	Dynamics
ENGR 203	3	Mechanics of Materials	ENGR 203	3	Mechanics of Materials
ENGR 206	3	Fluid Mechanics	ME 306	3	Fluid Mechanics
ENGR 241	3	Thermodynamics I	ME 341	3	Thermodynamics I

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.