

LEADERS CAN START ANYWHERE... AND FINISH THEIR DEGREE AT UND

When you begin your Mechanical Engineering degree at Bismarck State College.

Courses are sequenced to provide guidance and to help ensure that prerequisites are met.

Catalog Year: 2022-2023

Plan of Study: Bachelor of Science in Mechanical Engineering

Begin courses at Bismarck State College		
First Year First Semester		
	ENGL 110 – College Composition	3
	MATH 165 – Calculus I	4
	CHEM 121/121L – General Chemistry I and lab	5
	Humanities course – HIST 101, 102, 103 or 104	3
	Social Science elective	3
Total Credits		18
First Year Second Semester		
	ENGR 201 – Statics	3
	ENGL 120/125 – College Composition <u>or</u> Intro to Professional Writing	3
	MATH 166 – Calculus II	4
	CSCI 160 – Computer Science I	4
	ECON 201 – Principles of Microeconomics	3
	Enrichment course	2
Total Credits		19
Second Year First Semester		
	COMM 110 – Public Speaking	3
	MATH 265 – Calculus III	4
	PHYS 251/251L – University Physics I and lab	5
	ENGR 202 – Dynamics	3
	Fine Arts elective	3
Total Credits		18
Apply to UND by April 15		
<ul style="list-style-type: none"> • Complete online application at UND.edu/transfer • Request transcripts to be sent to UND from BSC. 		
Apply for scholarships at UND by March 1		
<ul style="list-style-type: none"> • After admission submit application for campus-wide scholarships in UND's Scholarship Central 		
Second Year Second Semester		
	MATH 266 – Differential Equations	3
	PHYS 252/252L – University Physics II and lab	5
	ENGR 203 – Mechanics of Materials	3
	ENGR 241 – Thermodynamics	4
	ME 101 – Introduction to Mechanical Engineering (taken at UND)	3
Total Credits		18
Take next steps to begin at UND		
<ul style="list-style-type: none"> • Begin new student checklist at UND.edu/admitted • Attend UND Transfer Student Orientation at UND.edu/orientation 		
Third Year First Semester		

	ENGR 206 – Fundamentals of Electrical Engineering	3
	ENGR 460 – Engineering Economy	3
	ME 201 – Student Design	2
	ME 301 – Material Science	3
	ME 306 – Fluid Mechanics	3
	ME 322 – Design of Machinery	3
Total Credits		17
Third Year Second Semester		
	ME 323/323L – Machine Component Design and lab	4
	ME 418/418L – Manufacturing Processes and lab	4
	ME 474 – Fund. Of Heat and Mass Transfer	3
	MATH 321 – Applied Statistical Methods	3
	ME Technical Elective	3
Total Credits		17
Fourth Year First Semester		
	ME 480 – Mechanical Engineering Seminar	3
	ME 483 – Mechanical Measurements lab	3
	ME 487 – Engineering Design	2
	ENGR 340 – Professional Integrity in Engineering	3
	ME Technical Elective	3
	ME Technical Elective	3
Total Credits		17
Apply to graduate from UND		
<ul style="list-style-type: none"> After registering for your last semester of courses, apply at UND.edu/commencement 		
Fourth Year Second Semester		
	ME 488 – Engineering Design	3
	Hum/AW – Humanities – Analyzing Worldview	3
	ME Technical Elective	3
	ME Technical Elective	3
	ME Technical Elective	3
	ME Technical Elective	3
Total Credits		18
TOTAL CREDITS TO GRADUATE		142

This information is provided as guide only. Students are strongly encouraged to meet with their major specific UND advisor.

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.

Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.

Students are required to fulfill UND graduation and GPA requirements to receive a degree and should consult with their UND advisor and the undergraduate catalog for details.