

FINISH IN 4 AT UND

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

Plan of Study: Bachelor of Science in Mechanical Engineering

Begin courses at BSC		
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 BSC transcripts to be sent to UND. 		
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 • Student must apply for provisional acceptance into PDP in order to take all listed courses for Junior fall 		
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