

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

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

Catalog Year: 2022-2023

When you begin your Associate of Science Transfer Pathway at Williston State College.

Plan of Study: Bachelor of Science Mechanical Engineering

Begin courses at Williston State College		
First Year First Semester		
	ENGL 110: College Composition I	3
	UNIV 100: College Strategies	1
	MATH 165: Calculus I	4
	CHEM 121/L: General Chemistry I L/L	5
	Approved ND Course: HUM/FA/HIST	3
Total Credits		16
First Year Second Semester		
	ENGL 120: College Composition II	3
	Wellness Course	2
	Approved ND Course: COMPSCI	3
	MATH 166: Calculus II	4
	Approved ND Course: HUM/FA/HIST	3
	Approved ND Course: SS	3
Total Credits		18
Second Year First Semester		
	MATH 265: Calculus III	4
	PHYS 251: University Physics I L/L	5
	Approved ND Course: SS	3
	ME 101: Intro. to Mechanical Engineering*	3
	ENGR 201: Statics*	3
Total Credits		18
Apply to UND by April 15		
<ul style="list-style-type: none"> Complete online application at UND.edu/transfer Request Williston State College transcripts here 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: Introduction to Differential Equations	3
	PHYS 252: University Physics II L/L	5
	ENGR 200: Computer Applications in Engr.*	2
	ENGR 202: Dynamics*	3
	ENGR 203: Mechanics of Materials*	3
	COMM 110: Fundamentals of Public Speaking	3
Total Credits		19
Admitted? Take next steps to begin at UND		
<ul style="list-style-type: none"> Begin new Transfer Student Checklist Sign up for Orientation 		

Third Year First Semester		
	ME 201: Student Design**	2
	ME 341: Thermodynamics	3
	ME 301: Materials Science	3
	ME 305: Fluid Mechanics	3
	ME 322: Design of Machinery	3
	Technical Elective	3
Total Credits		17
Third Year Second Semester		
	ENGR 206: Fundamentals of Electrical Engineering	3
	ME 323/L: Machine Component Design/Lab	4
	ME 418/L: Manufacturing Processes/Lab	4
	ME 474: Fundamentals of Heat and Mass Transfer	3
	MATH 321: Applied Statistical Methods	3
Total Credits		17
Fourth Year First Semester		
	ME 480: Mechanical Engineering Seminar	3
	ME 483: Mechanical Measurements Laboratory	3
	ME 487: Engineering Design	2
	Technical Elective – Thermal Services	3
	Technical Elective	3
	ENGR 460: Engineering Economy	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
	ENGR 340: Professional Integrity in Engineering	3
	Technical Elective – Manufacturing and Materials	3
	Technical Elective – Mechanical Design	3
	Technical Elective	3
	Technical Elective	3
Total Credits		16
TOTAL CREDITS TO GRADUATE		138

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.

**Courses must be taken through UND (can be done so remotely) in order for sequencing of plan. Students can enroll through collaborative registration.*

***If student is planning to complete UND degree through distance program, will need to take ME 201C in Sophomore Spring instead of ENGR 200. Student will also be required to complete ME 201L in summer during an on-campus lab.*