

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

When you begin your Associate in Science at Williston State College  
Plan of Study: Bachelor of Science in Mechanical Engineering

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

Catalog Year: 2022-2023

Begin courses at Williston State College		
First Year   First Semester		
	CHEM 121/L: General Chemistry I/Lab	5
	MATH 165: Calculus I	4
	UNIV 100: College Strategies	1
	ENGL 110: College Composition I	3
	Approved ND Course: HUM/FA/HIST	3
	<b>Total Credits</b>	<b>16</b>
First Year   Second Semester		
	MATH 166: Calculus II	4
	ENGL 120: College Composition II	3
	Wellness Course	2
	Approved ND Course: SS	3
	Approved ND Course: COMPSCI	3
	Approved ND Course: HUM/FA/HIST	3
	<b>Total Credits</b>	<b>18</b>
Second Year   First Semester		
	MATH 265: Calculus III	4
	PHYS 251: University Physics I L/L	5
	Approved ND Course: SS	3
	ME 101: Introduction to Mechanical Engineering*	3
	ENGR 201: Statics*	3
	<b>Total Credits</b>	<b>18</b>
<p><b>Apply to UND by April 15</b></p> <ul style="list-style-type: none"> <li>Complete online application at <a href="https://www.und.edu/transfer">UND.edu/transfer</a></li> <li>Request transcripts to be sent to UND <a href="#">from WSC</a>.</li> </ul> <p><b>Apply for scholarships at UND by March 1</b></p> <ul style="list-style-type: none"> <li>After admission submit application for campus-wide scholarships in UND's <a href="#">Scholarship Central</a></li> </ul>		
Second Year   Second Semester		
	MATH 266: Introduction to Differential Equations	3
	COMM 110: Fundamentals of Public Speaking	3
	PHYS 252: University Physics II L/L	5
	ENGR 200: Computer Applications in Engineering*	
	ENGR 202: Dynamics*	3
	ENGR 203: Mechanics of Materials*	3
	<b>Total Credits</b>	<b>19</b>
<p><b>Take next steps to begin at UND</b></p> <ul style="list-style-type: none"> <li>Begin new student checklist at <a href="https://www.und.edu/admitted">UND.edu/admitted</a></li> <li>Attend UND Transfer Student Orientation at <a href="https://www.und.edu/orientation">UND.edu/orientation</a></li> </ul>		

Third Year   First Semester		
	ME 201: Student Design**	3
	ME 341: Thermodynamics	3
	ME 301: Materials Science	3
	ME 306: Fluid Mechanics	3
	ME 322: Design of Machinery	3
	Technical Elective	3
<b>Total Credits</b>		<b>17</b>
Third Year   Second Semester		
	ENGR 206: Fundamentals of Electrical Engineering	3
	ME 323/L: Machine Component Design/Lab	3/1
	ME 418/L: Manufacturing Processes/Lab	3/1
	ME 474: Fundamentals of Heat and Mass Transfer	3
	MATH 321: Applied Statistical Methods	3
<b>Total Credits</b>		<b>17</b>
Fourth Year   First Semester		
	ME 480: Mechanical Engineering Seminar	3
	ME 483: Mechanical Measurements Lab	3
	ME 487: Engineering Design	2
	Technical Elective- Thermal Sciences	3
	Technical Elective	3
	ENGR 460: Engineering Economy	3
<b>Total Credits</b>		<b>17</b>
<b>Apply to graduate from UND</b>		
<ul style="list-style-type: none"> <li>After registering for your last semester of courses, apply at <a href="https://www.und.edu/commencement">UND.edu/commencement</a></li> </ul>		
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
<b>Total Credits</b>		<b>18</b>

\*Course must be taken through UND (can be done so remotely) in order for sequencing of plans. Students can enroll in course through collaborative registration processes.

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

*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.*