

# 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 Geological 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
	Wellness Course	2
<b>Total Credits</b>		<b>18</b>
First Year   Second Semester		
	ENGL 120: College Composition II	3
	Approved ND Course: COMPSCI	3
	MATH 166: Calculus II	4
	Approved ND Course: HUM/FA/HIST	3
	CHEM 122/L: General Chemistry II/Lab	5
<b>Total Credits</b>		<b>18</b>
Second Year   First Semester		
	COMM 110: Fundamentals of Public Speaking	3
	MATH 265: Calculus III	4
	GEOL 105: Physical Geology L/L	4
	PHYS 251: University Physics I	5
	Approved ND Course: SS	3
<b>Total Credits</b>		<b>19</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://und.edu/transfer">UND.edu/transfer</a></li> <li><a href="#">Request Williston State College transcripts here</a> to be sent to UND.</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 <b>Scholarship Central</b></li> </ul>		
Second Year   Second Semester		
	MATH 266: Introduction to Differential Equations	3
	MATH 210: Elementary Statistics	3
	PHYS 252: University Physics II L/L	5
	Approved ND Course: SS	3
	GEOE 323: Engineering Geology*	2
	ENGR 201: Statics*	3
<b>Total Credits</b>		<b>19</b>
<p><b>Admitted? Take next steps to begin at UND</b></p> <ul style="list-style-type: none"> <li>Begin new <a href="#">Transfer Student Checklist</a></li> <li>Sign up for <a href="#">Orientation</a></li> </ul>		

<b>Third Year   First Semester</b>		
	GEOL 414: Applied Geophysics	3
	GEOE 417: Hydrogeology	3
	GEOE 412: Soil Mechanics	3
	ME 341: Thermodynamics	3
	ENGR 200: Computer Applications in Engineering	2
	ENGR 203: Mechanics of Materials	3
<b>Total Credits</b>		<b>17</b>
<b>Third Year   Second Semester</b>		
	GEOL 356: Geoscience Lectures	1
	GEOL 330: Structural Geology**	3
	Approved Elective	3
	Approved Elective	3
	Approved Fluid Mechanics Course (CE 306 or ME 306)	3
	GEOE 301/L: Petrophysics/Lab***	4
<b>Total Credits</b>		<b>17</b>
<b>Summer Semester</b>		
	Field Camp South Dakota School of Mines	6
<b>Total Credits</b>		<b>6</b>
<b>Fourth Year   Second Semester</b>		
	GEOE 484: Geological Engineering Design	3
	GEOL 421: Seminar I	1
	GEOE 455/L: Geomechanics/Lab	3
	ENGR 340: Professional Integrity in Engineering	3
	Approved Engineering Elective (ENGR 202 or ENGR 206)	3
<b>Total Credits</b>		<b>13</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>		
<b>Fourth Year   Second Semester</b>		
	GEOE 485: Geological Engineering Design	3
	GEOL 422: Seminar II	1
	GEOL 411: Sedimentology and Stratigraphy**	5
	Approved Elective	3
	ENGR 460: Engineering Economy***	3
<b>Total Credits</b>		<b>15</b>
<b>TOTAL CREDITS TO GRADUATE</b>		<b>142</b>

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.

\*\*Certain prerequisites for courses are waived per department. Contact advisor for more information.

*\*\*\*GEOE 301/L is only offered during spring of odd years. Students should swap GEOE 301/L with ENGR 460 based on offerings.*

Date Modified	10/2022
Questions? Contact:	UND College of Engineering & Mines <a href="mailto:UND_CEM_Advising@UND.edu">UND_CEM_Advising@UND.edu</a> (701) 777-2180