

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

When you begin your Associate in Science- Engineering Option at Dickinson State University.

## Plan of Study: Bachelor of Science in Petroleum Engineering

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

Catalog Year: 2022-2023

Begin courses at Dickinson State University		
First Year   First Semester		
	CHEM 121/L: General Chemistry I/Lab	5
	MATH 165: Calculus I	4
	UNIV 100: Freshman Seminar	1
	ENGL 110: College Composition I	3
	COMM 110: Fundamentals of Public Speaking	3
	GEOL 105/L: Physical Geology/Lab	4
<b>Total Credits</b>		<b>20</b>
First Year   Second Semester		
	CHEM 122/L: General Chemistry II/Lab	5
	MATH 166: Calculus II	4
	PHYS 251/L: University Physics I/Lab	5
	Approved General Education Elective	3
	ENGL 120: College Composition II	
	PTRE 201: Introduction to Petroleum Engineering*	3
<b>Total Credits</b>		<b>23**</b>
Second Year   First Semester		
	MATH 265: Calculus III	4
	PHYS 252/L: University Physics II/Lab	5
	Approved Human Behavior and Governance Course	3
	Approved Global Perspectives Course	3
	PTRE 301: Reservoir Rock Properties*	3
	ENGR 200: Computer Applications in Engineering*	2
<b>Total Credits</b>		<b>20</b>
<b>Apply to UND by April 15</b>		
<ul style="list-style-type: none"> <li>Complete online application at <a href="https://und.edu/transfer">UND.edu/transfer</a></li> <li>Request transcripts to be sent to UND <a href="mailto:UND.Transferadvising@und.edu">from DSU</a>.</li> </ul>		
<b>Apply for scholarships at UND by March 1</b>		
<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	4
	Approved Social Science Course	3
	Approved Well-Being Course	2
	Approved Creative Expressions Course	3
	Approved Literature Course	3
	PTRE 311: Petroleum Fluid Properties*	3
	ME 341: Thermodynamics*	

<b>Total Credits</b>		<b>21**</b>
<b>Take next steps to begin at UND</b>		
<ul style="list-style-type: none"> <li>• Begin new student checklist at <a href="http://UND.edu/admitted">UND.edu/admitted</a></li> <li>• Attend UND Transfer Student Orientation at <a href="http://UND.edu/orientation">UND.edu/orientation</a></li> </ul>		
<b>Third Year   First Semester</b>		
	PTRE 401: Well Logging	3
	PTRE 431: Reservoir Engineering	3
	PTRE 411: Drilling Engineering	3
	ME 306: Fluid Mechanics	3
	PTRE 405: Petroleum Engineering Economy and Law	3
<b>Total Credits</b>		<b>15</b>
<b>Third Year   Second Semester</b>		
	PTRE 451: Advanced Drilling Engineering	3
	PTRE 445: Well Testing	3
	ENGR 201: Statics	3
	GEOL 407: Petroleum Geology	3
	MATH 321: Applied Statistical Methods	3
	PTRE 361: Petroleum Engineering Lab I	1
<b>Total Credits</b>		<b>16</b>
<b>Fourth Year   First Semester</b>		
	PTRE 421: Production Engineering	3
	PTRE 465: Petroleum Geomechanics	3
	PTRE 471: Numerical Reservoir Simulation	3
	PTRE 484: Research Design	3
	Approved Technical Elective	3
<b>Total Credits</b>		<b>15</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="http://UND.edu/commencement">UND.edu/commencement</a></li> </ul>		
<b>Fourth Year   Second Semester</b>		
	PTRE 475: Well Completions	3
	ENGR 340: Professional Integrity in Engineering	3
	PTRE 485: Senior Design	3
	PTRE 462: Petroleum Engineering Lab II	1
	Approved Technical Elective	3
	ENGR 203: Mechanics of Materials	3
<b>Total Credits</b>		<b>16</b>

\*Course should be taken through collaborative agreement with UND through online/distance courses in the semester listed.

\*\*Students may want to take courses over the summer to help ease credit load.

*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.*

Date Modified	4/21/2023
Questions? Contact:	UND Student Academic Success and Career Engagement <a href="mailto:UND.Transferadvising@und.edu">UND.Transferadvising@und.edu</a> (701) 777-2117