



FINISH IN 4 AT UND

When you begin your Petroleum Engineering degree at Williston State College

Plan of Study: Bachelor of Science in Petroleum Engineering

Begin courses at WSC		
First Year First Semester		
ENGL 110: Composition I		3
MATH 165: Calculus I		4
GEOL 105/L: Physical Geology with lab		4
HIST 102: Western Civilization to 1500		3
CHEM 121/L: General Chemistry I/Lab		4
UNIV 100 or 101: College Strategies or College Transitions		1
Total Credits		19
First Year Second Semester		
*PTRE 201: Introduction to Petroleum Engineering		3
MATH 166: Calculus II		4
PHYS 251: University Physics I		4
CHEM 122/L: General Chemistry II/Lab		4
Wellness Course		2
COMM 110: Public Speaking		3
Total Credits		20
Second Year First Semester		
ENGR 200: Computer Applications in Engineering		2
MATH 265: Calculus III		4
ENGL 130: College Composition: Writing for Public Audiences		3
ENGR 201: Statics		3
*PTRE 301 Reservoir Rock Properties		3
SOC 110: Introduction to Sociology		3
Total Credits		18
Apply to UND by April 15		
<ul style="list-style-type: none"> Complete online application at UND.edu/transfer 		
Apply for scholarships at UND by March 1		
After admission submit application for campus-wide scholarships in UND's Scholarship Central		
Second Year Second Semester		
*PTRE 311: Petroleum Fluid Properties		3
MATH 266: Elementary Differential Equations		3
*ENGR 203: Mechanics of Materials		3
*ENGR 340: Professional Integrity in Engineering		3
*ME 341: Thermodynamics		3
MUSC 100: Introduction to Music <i>MUSIC Appreciation</i>		3
Total Credits		18



Take next steps to begin at UND

- Begin new student checklist at UND.edu/admitted
- Attend UND Transfer Student Orientation at UND.edu/orientation
- Request to have your final transcript with your conferred degree and grades posted [HERE](#)

Third Year First Semester		
	PTRE 401: Well Logging	3
	PTRE 411: Drilling Engineering	3
	PTRE 431: Reservoir Engineering	3
	PHYS 252: University Physics II	4
	ME 306: Fluid Mechanics	4
Total Credits		17
Third Year Second Semester		
	PTRE 451: Advanced Drilling Engineering	3
	PTRE 445: Well Testing	3
	Technical Elective	3
	GEOL 407: Petroleum Geology	3
Total Credits		12
Fourth Year First Semester		
	PTRE 421: Production Engineering	3
	PTRE 465: Petroleum Geomechanics	3
	PTRE 471: Numerical Reservoir Simulation	3
	PTRE 484: Research Design	3
	PTRE 405: Petroleum Engineering Econ and Law	3
Total Credits		15
Fourth Year Second Semester		
	PTRE 485: Senior Design	3
	PTRE 475: Well Completions	3
	Technical Elective	3
	<i>Choose one from the following:</i> Math 321: Applied Statistical Methods OR CHE 315: Engineering Statistics and Design of Experiments	3
Total Credits		12
Apply to graduate from UND <i>After registering for your last semester of courses, apply at UND.edu/commencement</i>		
Fourth Year Summer Semester		
	PTRE 361: Petroleum Engineering Lab I	1
	PTRE 462: Petroleum Engineering Lab II	1
Total Credits		2
TOTAL CREDITS TO GRADUATE		133

*Some courses during the first two years may need to be taken online collaboratively at UND in order to stay on track for four year graduation.

For questions about transferring to UND for Petroleum Engineering please contact Chelsea Mellenthin at 701-335-3285 or chelsea.mellenthin@und.edu.