

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 Petroleum 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
	GEOL 105/L: Physical Geology w/ Lab	4
Total Credits		19
First Year Second Semester		
	CHEM 122/L: General Chemistry II/Lab	5
	MATH 166: Calculus II	4
	ENGL 120: College Composition II	3
	PHYS 251: University Physics I L/L	5
	Wellness Course	2
	PTRE 201: Introduction to Petroleum Engineering*	3
Total Credits		20
Second Year First Semester		
	MATH 265: Calculus III	4
	COMM 110: Fundamentals of Public Speaking	3
	Approved ND Course: SS	3
	ENGR 200: Computer Applications in Engineering*	2
	ENGR 201: Statics*	3
	PTRE 301: Reservoir Rock Properties*	3
Total Credits		18
<p>Apply to UND by April 15</p> <ul style="list-style-type: none"> Complete online application at UND.edu/transfer Request transcripts to be sent to UND from WSC. <p>Apply for scholarships at UND by March 1</p> <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
	Approved ND Course: HUM/FA/HIST	3
	ENGR 203: Mechanics of Materials*	3
	PTRE 311: Petroleum Fluid Properties*	3
	ME 341: Thermodynamics*	3
Total Credits		15
<p>Take next steps to begin at UND</p> <ul style="list-style-type: none"> Begin new student checklist at UND.edu/admitted Attend UND Transfer Student Orientation at UND.edu/orientation 		

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	3
	Total Credits	16
Third Year Second Semester		
	PTRE 451: Advanced Drilling Engineering	3
	PTRE 445: Well Testing	3
	PTRE Technical Elective	3
	GEOL 407: Petroleum Geology	3
	PTRE 361: Petroleum Engineering Lab I**	1
	ENGR 340: Professional Integrity in Engineering	3
	Total Credits	16
Fourth Year First Semester		
	PTRE 421: Production Engineering	3
	PTRE 465: Petroleum Geomechanics	3
	PTRE 471: Numerical Reservoir Simulation	3
	PTRE 405: Petroleum Engineering Economy and Law	3
	PTRE 484: Research Design	3
	Total Credits	15
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		
	PTRE 485: Senior Design	3
	PTRE 475: Well Completions	3
	PTRE Technical Elective	3
	Approved Statistics Course	3
	PTRE 462: Petroleum Engineering Lab II**	5
	Total Credits	15

*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.

**Distance students must complete laboratory requirements on-campus during summer semester.

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.