

PETROLEUM ENGINEERING

CODE: 4790 (142501-01)

Bachelor of Science in Petroleum Engineering

Students with ACT score of 30 or above in mathematics and with at least 8 weeks of trigonometry in high school may register for Mathematics 270, Calculus I, upon entry. Students with ACT scores between 26-29 may take the advanced placement test given by the math department. Those who do not meet these qualifications must take Mathematics 109, Algebra, and Mathematics 110, Trigonometry, and are advised to complete these courses in the summer semester prior to the freshman year.

Freshman Year

First Semester Credit			Second Semester Credit		
CHEM 107	General Chemistry I	3	CHEM 108	Gen Chemistry II	3
ENGL 101	Intro. to Acad. Wrtg.	3	CHEM 115	General Lab	2
MATH 270	Calculus I	4	ENGL 102	Wrtg & Rsch Abt Cul. ¹	3
PETE 101	Intro to Petroleum Engr	2	GEOL 111	Physical Geology	4
Elective	(Hist) ²	<u>3</u>	MATH 301	Calculus II	<u>4</u>
			16		
			<u>15</u>		

Sophomore Year

ENGR 218	Statics/Dynamics	3	ECON 300	Fund of Econ	3
GEOL 314	Structural Geology	4	ENGR 203	Mech. of Materials	3
MATH 350	Differential Equations	3	PHYS 202	General Physics II	4
PHYS 201	General Physics ¹	4	PETE 382	Drilling Fluids	3
Elective	(Biol. Sci.) ³	3	PETE 384	Drilling Fluids Lab	1
				(Lit) ⁴	<u>3</u>
			_ Elective		<u>3</u>
			17		
			<u>17</u>		

Junior Year

ENGR 301	Thermodynamics	3	ENGL 365	Technical Writing	3
ENGR 305	Transport Phenomena	3	ECON 430	Industrial Econ & Fin.	3
PETE 391	Phase Beh. of HC Sys	2	PETE 392	Reservoir Fluid Flow	3
PETE 491	Drilling Engineering	3	PETE 394	Reservoir Mech. Lab	1
PETE 493	Drilling Lab	1	PETE 481	Petrophysics-Form Eval.	3
Elective	(Hist/Lit) ⁵	3	PETE 483	Form Eval Lab	1
				(Arts) ⁶	<u>3</u>
			_ Elective		<u>3</u>
			1517		
			<u>1517</u>		

Senior Year

PETE 401	Senior Design Project I	1	PETE 402	Senior Design Project II	1
PETE 484	Well Planning and Control	3	PETE 478	Natural Gas Engr	3
PETE 486	Production Engineering	3	PETE 482	Imp Petr Recovery Proc	3
PETE 488	Production Lab	1	PETE 489	Well Completions:	
PETE 494	Reservoir Engineering	3		Primary and Remedial.	3
PETE 496	Reservoir Lab	1	Elective	(PETE/Geol) ⁷	3
Elective	(Math) ⁷	<u>3</u>	Elective	(PETE) ⁷	<u>3</u>
			16		
			<u>15</u>		

¹Requires at least a "C" grade.

²Must be chosen from the College of Engineering list.

³BIOL 101, 261, or 304 with department head approval.

⁴Must be chosen from courses in American, English, or FORL Literature.

⁵Select from College of Engineering approved list in HIST. HONR, HUMN, or LIT.

⁶Must be chosen from the approved College of Engineering list of courses in DANC, MUS. THEA, and VIAR.

⁷Requires approval of Department Head.