

OCCC Engineering - Transfer to **OU Petroleum Engineering**

Associate in Science

Updated 3/21/2016

Year	FIRST SEMESTER	HRS	SECOND SEMESTER	HRS
FRESHMAN	OCCC		OCCC	
	MATH 2104, Calculus and Analytic Geometry I	4	MATH 2214, Calculus and Analytic Geometry II	4
	CHEM 1115, General Chemistry I	5	PHYS 2014, Engineering Physics I	4
	ENGL 1113, English Composition I	3	ENGL 1213, English Composition II	3
	SCL 1001, Success in College Life	1	CHEM 1215, General Chem II	5
	ENGR 1113, <i>Introduction to Engineering</i>	3	HUM 1113, Music Appreciation (OR)	3
			ART 1053, Art Appreciation (OR)	
		HUM 2243, Film Studies		
		Applies to Artistic Forms Humanity at OU		
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	19
SUMMER	SUMMER/INTERSESSION/ONLINE			
	HIST U.S. History Elective	3		
	ENGR 2133, Rigid Body Mechanics	3		
	TOTAL CREDIT HOURS	6		
SOPHOMORE	OCCC		OCCC	
	MATH 2314, Calculus and Analytic Geometry III	4	ENGR 2333, Thermodynamics	3
	PHYS 2114, Engineering Physics II	4	POLSC 1113, American Federal Government	3
	ENGR 2143, Strength of Materials	3	SOCSC Social Science Elective	3
	GEOL 1114, General Geology	4	<i>Applies to Social Sciences at OU</i>	
	GEOG 2603, <i>World Regional Geography (OR)</i>	3	OU (Concurrent Enrollment)	
	HUM 2143, <i>Mythology</i>		PE 3213, Reservoir Rock Properties	3
	<i>Applies to Western Civilization Humanity at OU</i>		PE 3221, Rock Properties Lab	1
			PE 2011, Intro to Petroleum Engineering	1
			ENGR 3511, Transfer Students	1
		PE 3022, Technical Communications	2	
		<i>P E 3213 & P E 3221 Must Be Completed to Enroll in Upper Division P E Classes</i>		
	TOTAL CREDIT HOURS	18	TOTAL CREDIT HOURS	17
SUMMER	SUMMER/INTERSESSION/ONLINE			
	§ P E 3222 Petroleum Engineering Practice II (Internship)	2	<i>3.25 cumulative GPA required for admission to professional school, plus "C" or better in: Calc I & II, Chem I, Engr. Phys. I, and Geology</i>	
	TOTAL CREDIT HOURS	2		
JUNIOR	OU (If P E 3213 & P E 3221 Complete)		OU	
	MATH 3113, Intro. to Ordinary Differential Equations	3	GEOL 3003, Structural Geology & Stratigraphy - PE	3
	PE 3723, Num. Methods for Petr Engr Computing	3	PE 3413, Production Engineering I	3
	PE 3123, Petroleum Reservoir Fluids	3	PE 3513, Reservoir Engineering I	3
	PE 3223, Fluid Mechanics	3	PE 4331, Drilling Engineering Lab	1
	PE 3313, Drilling and Completions I	3	PE 3813, Formation Eval. With Well Logs	3
	PE 3712, Petroleum Economics	2		
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	13
SENIOR	OU		OU	
	GPHY 3423, Intro. Petroleum Geology & Geophysics	3	P E 4423, Production Engineering II	3
	PE 4521, Reservoir Fluid Mechanics Lab	1	P E 4553, Integrated Reservoir Management (Capstone)	3
	PE 4712, Petroleum Project Evaluation	2	§ P E Approved P E Elective	3
	PE 4533, Reservoir Engineering II	3	Approved Elective: <i>Non-Western Culture (Core IV)</i>	3
PE 4323 Drilling and Completions II	3			
	TOTAL CREDIT HOURS	12	TOTAL CREDIT HOURS	12

OCCC courses needed to enroll in P E 3213. Thermodynamics can be taken concurrently with Rock Properties.

P E 3222 Petroleum Engineering Practice II (Internship Course) is taken Fall after Summer Internship.

Need P E 3213 & P E 3221 to enroll in Upper Division P E Classes.

OCCC Total Hours: 68

Need 2.5 GPA to Transfer to Petroleum.

OU Total Hours: 64

§ Electives to be selected from the following: P E 4563, 4583, 4033, or any 5000 level P E course.

A third P E elective may be taken in place of P E 3222.