

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN PETROLEUM ENGINEERING

(Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>)

MEWBOURNE COLLEGE OF EARTH AND ENERGY

THE UNIVERSITY OF OKLAHOMA

For Students Entering the Oklahoma State System for Higher Education
Summer 2014 through Spring 2015

GENERAL REQUIREMENTS

Total Credit Hours 127*
Minimum Retention/Graduation Grade Point Averages:
 Overall - Combined and OU 2.50
 Major - Combined and OU 2.50
 Curriculum - Combined and OU 2.50
A minimum grade of C is required for each course in the curriculum.

Petroleum Engineering

B765

Bachelor of Science in
Petroleum Engineering

OU encourages students to complete at least 32 hours of applicable coursework each year to have the opportunity to graduate in four years.

Year	FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
FRESHMAN	ENGL 1113, Prin. of English Composition (Core I)	3	ENGL 1213, Prin. of English Composition (Core I), or	3
	CHEM 1315, General Chemistry (Core II)	5	EXPO 1213, Expository Writing	3
	*MATH 1914, Differential & Integral Calculus I (Core I)	4	CHEM 1415, General Chemistry	5
	HIST 1483, U.S., 1492-1865, or	3	*MATH 2924, Differential & Integral Calculus II	4
	1493, U.S., 1865-Present (Core IV)	3	PHYS 2514, General Physics for Engineering & Science	4
	†Approved Elective: Social Science (Core III)	3	Majors (Core II)	4
			P E 2011, Intro. to Petroleum Engineering Systems	1
	TOTAL CREDIT HOURS	18	TOTAL CREDIT HOURS	17
SOPHOMORE	*MATH 2934, Differential & Integral Calculus III	4	P E 2213, Thermodynamics	3
	PHYS 2524, General Physics for Engineering & Science Majors	4	P E 2153, Mechanics of Materials	3
	GEOL 1114, Physical Geology	4	P E 3022, Technical Communications	2
	P E 2113, Statics and Dynamics	3	P E 3213, Reservoir Rock Properties	3
			P E 3221, Rock Properties Lab	1
			†Approved Elective: Artistic Forms (Core IV)	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15
SUMMER			§ P E 3222, Petroleum Engineering Practice II (Internship)	2
			TOTAL CREDIT HOURS	2
JUNIOR	MATH 3113, Intro. to Ordinary Differential Equations	3	GEOL 3003, Structural Geology & Stratigraphy-Petr. Engr.	3
	P E 3123, Petroleum Reservoir Fluids	3	P E 3413, Production Engineering I	3
	P E 3223, Fluid Mechanics	3	P E 3513, Reservoir Engineering I	3
	P E 3313, Drilling and Completions I	3	P E 3813, Formation Evaluation with Well Logs	3
	P E 3712, Petroleum Economics	2	P E 4331, Drilling and Production Engineering Lab	1
	P E 3723, Numerical Methods for Petroleum Engineering Computing	3	†Approved Elective: Non-Western Culture (Core IV)	3
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	16
SENIOR	GPHY 3423, Introductory Petroleum Geology & Geophysics	3	P SC 1113, American Federal Government (Core III)	3
	P E 4323, Drilling and Completions II	3	P E 4423, Production Engineering II	3
	P E 4521, Reservoir Fluid Mechanics Lab	1	P E 4553, Integrated Reservoir Management (Capstone)	3
	P E 4712, Petroleum Project Evaluation	2		
	P E 4533, Reservoir Engineering II	3	§ P E Approved P E Elective	3
	†Approved Elective: Western Civ. & Culture (Core IV)	3		
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	12	

Courses designated as Core I, II, III, IV, or Capstone are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list.

†To be chosen from the **University-Wide General Education Approved Course List**. Three of these hours must be upper-division (3000-4000). See list in the Class Schedule.

In order to progress in your curriculum, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum.

Students must successfully complete prerequisite courses (with a minimum C grade) before proceeding to the next course.

* Two college-level courses in a single foreign language are required; this may be satisfied by successful completion of 2 years in a single foreign language in high school. Students who must take foreign language at the University will have an additional 6-10 hours of coursework.

§ **P E Elective:** P E 4563, Well Testing, P E 4583, Improved Recovery Techniques, P E 4033, Oil, Gas & Environmental Law, or any P E 5000-level course. A P E elective may be taken in place of P E 3222.

*MATH 1823, 2423, 2433, and 2443 sequence can be substituted for MATH 1914, 2924, and 2934.