

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN PETROLEUM ENGINEERING/ MASTER OF BUSINESS ADMINISTRATION

(Accredited by the Accreditation Board for Engineering and Technology)

COLLEGE OF EARTH AND ENERGY — THE UNIVERSITY OF OKLAHOMA

GENERAL REQUIREMENTS

Total Credit Hours **165***
Minimum Retention/Graduation Grade Point Averages:
 Overall - Combined and OU **3.00**
 Major - Combined and OU **3.00**
 Curriculum - Combined and OU **3.00**
A minimum grade of C is required for each course in the curriculum.

**Petroleum Engineering/
A765**
 Bachelor of Science in
 Petroleum Engineering/
 Master of Business
 Administration

For Students Entering the
 Oklahoma State System
 for Higher Education
**Summer 2010 through
 Spring 2011**

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	5
	MATH 1823, Calculus & Analytic Geometry I (Core I)	3	CHEM 1415, General Chemistry	3
	HIST 1483, U.S., 1492-1865, or	3	MATH 2423, Calculus & Analytic Geometry II (Core I)	4
	1493, U.S., 1865-Present (Core IV)	1	PHYS 2514, General Physics for Engineering & Science Majors (Core II)	2
	ENGR 1411, Freshman Engineering Experience	1	P E 2012, Intro. to Petroleum Engineering Systems	2
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	
TOTAL CREDIT HOURS		15	17	
SOPHOMORE	MATH 2433, Calculus & Analytic Geometry III	3	#ECON 1113, Principles of Economics–Macro (Core III)	3
	PHYS 2524, General Physics for Engr. & Science Majors	4	MATH 2443, Calculus & Analytic Geometry IV	3
	GEOL 1114, Physical Geology	4	P E 2213, Thermodynamics	3
	P E 2113, Statics and Dynamics	3	P E 2153, Mechanics of Materials	3
	ENGR 2002, Professional Development	2	P E 3213, Reservoir Rock Properties	3
			P E 3221, Rock Properties Lab	1
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	
TOTAL CREDIT HOURS		16	16	
SUMMER			§P E 3222, Petroleum Engineering Practice II (Internship)	2
SUMMER			TOTAL CREDIT HOURS	
SUMMER			2	
Students must take the GMAT and apply for the MBA program during the third year; minimum OU GPA and combined GPA of 3.0 is required. Students should submit an application to the School of Petroleum Engineering for the accelerated program during the fall semester of the junior year. Students must also apply to the Price College of Business during the spring semester of the junior year to be admitted by that college to the MBA program.				
JUNIOR	MATH 3113, Intro. to Ordinary Differential Equations	3	GEOL 3003, Structural Geology & Stratigraphy–Petr. Engr.	3
	P E 3022, Technical Communications	2	P E 3413, Subsurface Production Engineering	3
	P E 3123, Petroleum Reservoir Fluids	3	P E 3513, Reservoir Engineering Fundamentals	3
	P E 3223, Fluid Mechanics	3	*P E 3723, Numerical Methods for Petr. Engr. Computing	3
	P E 3313, Drilling and Completions I	3	P E 3813, Formation Evaluation with Well Logs	3
	†Approved Elective: Western Civ. & Culture (Core IV)	3	†Approved Elective: Artistic Forms (Core IV)	3
TOTAL CREDIT HOURS		17	TOTAL CREDIT HOURS	
TOTAL CREDIT HOURS		17	18	
SENIOR	B AD 5001, Math/Computer Skills	1	ACCT 5212, Managerial Accounting	2
	B AD 5102, Managerial Economics	2	B AD 5112, Microeconomics for MBAs	2
	ACCT 5202, Financial Accounting	2	♦B AD 5142, Introduction to Energy	2
	FIN 5302, Financial Markets and Securities	2	♦FIN 5162, Energy Assets and Commodities	2
	MGT 5702, Organizational Behavior	2	FIN 5312, Corporate Finance	2
	MKT 5402, Marketing Management	2	♦FIN 5322, Derivative Securities and Markets	2
SCM 5502, Supply Chain Management	2	MIS 5602, Management Information Systems	2	
P E 4033, Oil, Gas, and Environmental Law	3	§P E Approved 5000-level Elective	3	
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	
TOTAL CREDIT HOURS		16	17	
SUMMER			MBA Internship	1
SUMMER			TOTAL CREDIT HOURS	
SUMMER			1	
FIFTH YEAR	♦B AD 5152, Energy Accounting and Regulations	2	B AD 5902, Strategic Management	2
	♦FIN 5202, Energy Corporate Finance	2	P E 4331, Drilling and Production Engineering Lab	1
	L S 5802, Business Ethics	2	P E 4423, Surface Production Engineering	3
	MGT 5712, Negotiations and Leadership	2	P E 5553, Integrated Reservoir Management (Capstone)	3
	GPHY 3423, Introductory Petroleum Geology & Geophysics	3	P SC 1113, American Federal Government (Core III)	3
	P E 4521, Reservoir Fluid Mechanics Lab	1	†Approved Elective: Non-Western Culture (Core IV)	3
P E 4713, Petroleum Project Evaluation	3			
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	
TOTAL CREDIT HOURS		15	15	

★ Students may enter the accelerated program based on the undergraduate degree pattern offered in the year they first enrolled in the Oklahoma State System of Higher Education or later. Students must maintain a 3.0 GPA from the time of entering the accelerated program until graduation.

NOTE: Engineering transfer students may take ENGR 3511 in place of ENGR 1411.

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 nine 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.

#Economics 1113 satisfies three hours of lower-division, General Education Social Science.

§ This course must be 5000-level to apply to the Petroleum Engineering and MBA degrees.

*This course fulfills the Computer Literacy Requirement for graduation as required by the Oklahoma State Regents for Higher Education.

♦Counts toward fulfillment of the MBA Energy Specialization (10 hours: B AD 5142, 5152; FIN 5162, 5202, 5322).