

Missouri S&T — China University of Petroleum, Beijing

Petroleum Engineering BS Transfer Guide

Effective Fall 2012

The following course work will apply to Missouri S&T degree requirements as outlined below. All curriculum and transfer content is subject to university, school, departmental, and faculty review and approval on an ongoing basis.

China University of Petroleum, Beijing		Missouri S&T			
CUP #	Title	Hours	S&T #	Title	Hours
Mathematics and Science (Take all courses)					
100616M001	Advanced Mathematics (I)	6	MATH 014 and MATH 015	Calculus for Engineers I and Calculus for Engineers II	8
100616M002	Advanced Mathematics (II)	6	MATH 022 and 204	Calculus with Analytic Geometry III and Elementary Differential Equations <i>(apply toward degree as science and engineering electives)</i>	7
100616M003	Linear Algebra	3	MATH 208	Linear Algebra I <i>(applies toward degree as science and engineering elective)</i>	3
	Fundamentals of Mechanical Design		IDE 20*	Introduction to Engineering Design <i>*Credit will be given by substitution approved by the Petroleum Engineering Department</i>	3
	Introduction to Petroleum English	1	FE 10	Study and Careers in Engineering <i>*Department will substitute for FE 10.</i>	1
100616M004	Probability and Statistics	3.5	STAT 215	Engineering Statistics	3
100627M001	University Physics I	4	PHYS 021	General Physics I	4
100627M002	Experiment of College Physics I	2	PHYS 022	General Physics Lab I	1
100627M003	University Physics II	4	PHYS 025	General Physics II	4
100627M004	Experiment of College Physics II	1.5	PHYS 026	General Physics Lab II	1
100617E001	University Chemistry I	4.5	Chem 1, 2	General Chemistry and Lab	4
100617T016	University Chemistry II	2.5	Chem 221	Organic Chemistry I	4
100514M001 Y50514X001	Introduction to Computer Technology Practice	3	GNCR	General Credit <i>(A maximum total of 4 credits of general credit will apply toward degree as free electives.)</i>	3
100101E001	General Geology	4	GEOL 51, 53	Physical and Environmental Geology and Lab	4
	The Law of the Sea	1	PE 121	Intro to Oil Well Drilling	1
	Petrophysics	3	PE 240	Properties of Hydrocarbon Fluids	3
	Fluid Mechanics	4	CE 230	Fluid Mechanics	3
	Electrotechnician and Electronics (Lecture and Experiment)	4	EE 281*	Electrical Circuits* <i>*This course will be substituted for EE281.</i>	3
	Engineering Mechanics	5	IDE 50*	Engineering Mechanics-Statics* <i>This course will be substituted for IDE 50.</i>	3
ENGR 001	Reservoir Engineering	3	PE 335	Secondary Recovery of Petroleum	3
EFLUID 001	Fluid Mechanics in Porous Medium	3.5	PE 241, 242	Petroleum Reservoir Engineering and Lab	4
GAS 001	Gas Reservoir Engineering	2	PE 360	Natural Gas Engineering	3
	Petroleum Engineering Electives			Petroleum Engineering Electives	
Social Sciences and Humanities					
100844M002	Outline of Modern Chinese History / Essentials of Modern Chinese History*	2		Social Sciences Elective* <i>*Department will substitute for Social Sciences Elective</i>	3
	Morality Education and Fundamentals of Law*	3		Humanities Elective* <i>*Department will substitute for Humanities Elective</i>	3
	Principles of Marxism*	3		Social Sciences Elective* <i>*Department will substitute for Social Sciences Elective</i>	3
	Introduction to Mao-Ze-dong Thoughts and Theoretical System of the Chinese Characteristic Socialism*	4		Social Sciences Elective* <i>*Department will substitute for Social Sciences Elective</i>	3
Maximum Semester Credit Hours to be Transferred to Missouri S&T Degree					69
Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T. receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree. complete all courses on this guide before transferring to Missouri S&T.				Students must Students are not required to	