

Missouri S&T — China University of Petroleum, Huadong

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, Huadong		Missouri S&T				
	CUP #	Title	Hours	S&T #	Title	Hours
Mathematics and Science	Mathematics and Science (Take all courses)					
	07101A	Advanced Mathematics	6	MATH 014 and 015	Calculus for Engineers I and Calculus for Engineers II	4
	07101B	Advanced Mathematics	6	MATH 022 and 204	Calculus with Analytic Geometry III and Elementary Differential Equations	7
	03203	College Chemistry I	3.5	CHEM 001,002	General Chemistry I and Lab	5
		College Chemistry II		PE 240	Properties of Petroleum Fluids <small>*Department will substitute for PE 240</small>	
	13101 A and B	College Physics I and II	7.5	PHYS 023, 024	Engineering Physics I and II	8
	01003	Programming Language (FORTRAN)	3	CS 073, 077	Basic Scientific Programming (FORTRAN) <small>*General elective requirement</small>	3
	01005	Programming Language (C++)	3	CS 053, 054	Intro to Programming and Lab (C++) <small>*Satisfies science elective requirement</small>	4
	01101	Fundamentals of Geology	4.5	GEOL 051, 053	Physical and Environmental Geology and Lab	4
	01229	Engineering Plotting	4	GNCR*	General Elective Credit <small>*Satisfies software portion of IDE 20</small>	4
	12311	Theoretical Mechanics	5	IDE 150	Engineering Mechanics-Dynamics	2
	12412	Engineering Thermodynamics and Heat Transfer	5.5	ME 227	Thermal Analysis	3
	02220	Fluid Mechanics	4	CE 230	Elementary Fluid Mechanics	3
	12312	Material Mechanics	5.5	IDE 110	Mechanics of Materials	3
	02101	An Introduction to Petroleum Engineering	1	PE 121	Introduction to Oil Well Drilling	1
	02109	Petrophysics	3	PE 241, 242	Reservoir Engineering and Lab	4
		Well Logging	3	PE 232	Well Logging	3
		Geology for Oil Field Development	3	GEO 340	Petroleum Geology	3
	Petroleum Engineering Electives			Petroleum Engineering Electives		
Social Sciences & Humanities	Social Sciences and Humanities					
	09151	Essentials of Modern Chinese History*	2		Social Sciences Elective* <small>*Department will substitute for Social Sciences Elective</small>	3
	09102	Morality Education and Fundamentals of Law*	3		Humanities Elective* <small>*Department will substitute for Humanities Elective</small>	3
		Principles of Marxism*	3		Social Sciences Elective* <small>*Department will substitute for Social Sciences Elective</small>	3
		Introduction to Mao-Ze-dong Thoughts and Theoretical System of the Chinese Characteristic Socialism*	4		Social Sciences Elective* <small>*Department will substitute for Social Sciences Elective</small>	3
Maximum Semester Credit Hours to be Transferred to Missouri S&T Degree						69
<p style="text-align: center;">Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T. Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree. Students are not required to complete all courses on this guide before transferring to Missouri S&T.</p>						