

## PETROLEUM ENGINEERING: Transfer Student Curriculum Guide

**Premises:** The following coursework from the “Mississippi Community College Transfer Advising Guide for Students Transferring to Mississippi State University College of Engineering” (or its equivalent) has been completed (in general with a C or better).

Description	Mississippi Community College Course Number	MSU Course Number
English Composition	ENG 1113 and 1123	EN 1103 and 1113
Fine Arts	ART 1113 or MUS 1113	3 s.h. approved Fine Arts
Humanities	History, Foreign Language, Literature, Philosophy, Religion	6 s.h. approved Humanities
Social Sciences	ECO/GEO/PSC/ PSY/SOC	6 s.h. approved Social Sciences
Chemistry I with Lab	CHE 1214	CH 1211 and 1213
Chemistry II with Lab	CHE 1224	CH 1221 and 1223
Physics (Calculus-based)	PHY 2514 or PHY 2313	PH 2213 1 s.h. lab subs for PTE 1101
Calculus	MAT 1613, 1623, 2613, and 2623	MA 1713, 1723, 2733, and 2743
Differential Equations I	MAT 2913	MA 3253
Linear Algebra	MAT 2113	3 s.h. technical elective
Structured Programming (C, Visual Basic, etc.)	CSC 1213 or 2323	CHE 2213
Engineering Mechanics I	EGR 2413	EM 2413
Mechanics of Materials	EGR 2453	EM 3213
	TOTAL transfer credit applied	60 s.h.
	<b>Maximum allowable transfer credit</b>	<b>64 s.h.</b>

With the above courses completed, a transfer student would expect to take the following courses to obtain their B.S. in petroleum engineering at Mississippi State University:

	Session	Course	Course Name	SH	P:Prerequisite (in general C or better); C:Corequisite
3 <sup>rd</sup> Yr Fall	F/Su	CHE 2114	Mass & Energy Balances	4	P:CH 1223; C:MA 1723
	ALL	CHE 3113	Chem En Thermo I	3	P:CH 1223; P:PH 2213; C:CHE 2114; C:MA 2733
	F/Su	CHE 3203	Fluid Flow Op	3	P:PH 2213; C:CHE 2114; C:MA 1723
	F	PTE 3903	Petr Reserv Fluid Prop	3	P:PH 2213; C:MA 2733; C:CHE 3113
	F	PTE 3953	Petr Reservoir Rock Prop	3	P:PH 2213; C:MA 2733
			<b>Total</b>	<b>16</b>	
3 <sup>rd</sup> Yr Spring	ALL	GE 3513	Technical Writing	3	P:EN 1103; P:EN 1113; Junior Standing
	ALL	IE 3913	Engr Economy I	3	P:MA 1713
	ALL	IE 4613	Eng Statistics I	3	P:MA 1723
	F/Sp	PTE 3912	PTE Lab 2	2	C:PTE 3903
	Sp	PTE 4903	Petr Reservoir Eng 1	3	P:CHE 2114; P:CHE 3113; P:PTE 3903; P:PTE 3953; C:MA 3253
	F/Sp		Geology Elective	3	
			<b>Total</b>	<b>17</b>	
4 <sup>th</sup> Yr Fall	F/Su	CHE 3413	Eng Materials	3	P:CH 1223; P:PH 2213
	F	PTE 3902	PTE Lab 1	2	C:PTE 3953
	F	PTE 3963	Drilling	3	P:CHE 3203; P:PTE 3953; C:EM 3213; C:MA 2743
	F	PTE 3973	Petroleum Production Ops	3	P:MA 2743; P:CHE 3203; P:PTE 3953; P:PTE 3903
	F	PTE 4913	Petr Reservoir Eng 2	3	P:MA 3253; P:PTE 4903
	F	PTE 4953	Formation Eval	3	P:PTE 3953
			<b>Total</b>	<b>17</b>	
4 <sup>th</sup> Yr Spring	Sp/Su	CHE 3213	Heat Transfer Op	3	P:MA 2743; P:(CHE 3203 or EM 3313); C:CHE 3113; C:MA 3253
	Sp	PTE 4923	Completion Design	3	P:PTE 3963; P:PTE 3973
	Sp	PTE 4963	Oil Recovery Methods	3	P:PTE 4903
	Sp	PTE 4983	Petr Engr Capstone Design	3	P:PTE 3963,PTE 3973,PTE 4913,PTE 4953; C:PTE 4923,PTE 4963,PTE 4993
	Sp	PTE 4993	Petroleum Econ Analysis	3	P:IE 3913; P:IE 4613; C:PTE 4903
	F/Sp		Geology Elective	3	
			<b>Total</b>	<b>18</b>	

Deviations from the list of completed courses may require additional semesters to fulfill graduation requirements. Please contact the CHE Undergraduate Program Coordinator to review your case and develop a custom plan of study.