

## CHEMICAL ENGINEERING Practice Concentration: 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
Organic Chemistry with Labs	CHE 2424 and 2434	CH 4511 and 4513 CH 4523 CH 4521 subs for CHE 1101
Physics (Calculus-based)	(PHY 2514 and 2524) or (PHY 2313 and 2323)	PH 2213 and PH 2223
Calculus	MAT 1613, 1623, 2613, and 2623	MA 1713, 1723, 2733, and 2743
Differential Equations I	MAT 2913	MA 3253
Structured Programming (C, Visual Basic, etc.)	CSC 1213 or 2323	CHE 2213
Engineering Mechanics I	EGR 2413	EM 2413
	TOTAL transfer credit applied	64 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 chemical engineering at Mississippi State University:

3 <sup>rd</sup> Year Fall	Session	Course	Course Name	SH	P:Prerequisite (in general C or better); C:Corequisite
	F/Sp	CHE 2114	Mass & Energy Balances	4	P:CH 1223; C:MA 1723
	F/Su	CHE 3203	Fluid Flow Op	3	P:PH 2213; C:CHE 2114; C:MA 1723
	F/Sp	CHE 3113	Chem En Thermo I	3	P:CH 1223; P:PH 2213; C:CHE 2114; C:MA 2733
	ALL	IE 3913	Engr Economy I	3	P:MA 1713
	F/Sp		CH/CHE/Technical Elective	3	
<b>3<sup>rd</sup> Year Spring</b>			<b>Total</b>	<b>16</b>	
	ALL	CHE 3123	Chem En Thermo II	3	P:MA 2743; P:CHE 2114; P:CHE 3113
	Sp/Su	CHE 3213	Heat Transfer Op	3	P:MA 2743; P:(CHE 3203 or EM 3313); C:CHE 3113; C:MA 3253
	Sp	CHE 3222	Chem Eng Lab I	2	P:(CHE 3203 or EM 3313); C:CHE 3213
	Sp/Su	CHE 3223	Separation Processes	3	P:CHE 3203; C:CHE 3213; C:CHE 3123
	Sp	CHE 3331	Prof Develop Seminar	1	P:Chemical Engineering majors with Junior Standing
	ALL	GE 3513	Technical Writing	3	P:EN 1103; P:EN 1113; Junior Standing
<b>4<sup>th</sup> Year Fall</b>			<b>Total</b>	<b>15</b>	
	F	CHE 3232	Chem Eng Lab II	2	P:CHE 3203; P:CHE 3213; P:CHE 3223
	F	CHE 4113	Chem Reactor Design	3	P:CHE 3123; P:MA 3253
	F	CHE 4134	Process Design	4	P:CHE 3123; P:CHE 3213; P:CHE 3223
	F/Su	CHE 3413	Eng Materials	3	P:CH 1223; P:PH 2213
	F/Sp		CH/CHE/Technical Elective	3	
	F/Sp		CHE or Chemistry Elective	3	
<b>4<sup>th</sup> Year Spring</b>			<b>Total</b>	<b>18</b>	
	Sp	CHE 4223	Pro Instr & Con	3	P:CHE 4113; P:CHE 3223
	Sp	CHE 4233	Chemical Plant Design	3	P:CHE 4134; P:CHE 4113
	Sp	CHE 4633	Chemical Pro Safety	3	P:CHE 2114; P:CHE 3203; P:MA 1723
	F/Sp		CHE or Chemistry Elective	3	
	F/Sp		CHE or Chemistry Elective	3	
			<b>Total</b>	<b>15</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.