

Plan of Study: Chemical Engineering Concentration

Core Courses:

<u>Course Name</u>	<u>Credits</u>	<u>Prerequisites</u>
CHY 122 The Molecular Basis of Chemical Change	3	CHY 121/123, Coreq. CHY 124
CHY 124 Introduction to Chemistry Laboratory	1	Coreq. CHY 122
CHE 200 Fundamentals of Process Engineering	4	CHY 122, MAT 126, PHY 121
CHE 385 Chemical Engineering Thermodynamics I	3	CHB 200, MAT 228
Total Engineering Credits:	7	

In addition to the core courses, the student must take the following 19 credits of courses (or substitute up to 6 credits from another engineering discipline area):

CHE 352 Process Control	3	MAT 258 or MAT 259
CHE 360 Elements of Chemical Engineering I	4	MAT 258 or MAT 259
CHE 362 Elements of Chemical Engineering II	3	CHE 360
CHE 368 Kinetics & Reactor Design	3	CHE 200
CHE 386 Chemical Engineering Thermodynamics II	3	CHE 385
CHE 400 Advanced Materials	3	CHY122, MAT 126, PHY 121

Note: A Minor in Process Engineering can be obtained by selecting the following four courses plus the core courses:

CHE 360 Elements of Chemical Engineering I	4	MAT 258 or MAT 259
CHE 362 Elements of Chemical Engineering II	3	CHE 360
CHE 352 Process Control	3	MAT 258 or MAT 259
CHE 368 Kinetics & Reactor Design	3	CHE 200