

CHEMICAL ENGINEERING

2006-2008 CATALOG

(catalog valid until August 2014)

Suggested Arrangement of Courses for Eight Semester Program 128 credit hours

First Year

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
CH 302, <i>Principles of Chemistry II</i>	3	CH 204, <i>Introduction to Chemical Practice</i>	2
CHE 102, <i>Introduction to Chemical Engineering</i> **	1	M 408D, <i>Sequences, Series, and Multivariable Calculus</i>	4
M 408C, <i>Differential and Integral Calculus</i>	4	PHY 303K, <i>Engineering Physics I</i>	3
CHE 210, <i>Introduction to Computing</i>	2	PHY 103M, <i>Laboratory for Physics 303K</i>	1
RHE 306, <i>Rhetoric and Composition</i>	3	American Government*	3
Fine Arts/Humanities Elective*	3	BIO 311C, <i>Introductory Biology I</i>	3
TOTAL	15 or 16**	TOTAL	16

Second Year

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
CH 318M, <i>Organic Chemistry</i>	3	CH 318N, <i>Organic Chemistry</i>	3
CH 118K, <i>Organic Chemistry Laboratory</i>	1	CH 118L, <i>Organic Chemistry Laboratory</i>	1
CHE 317, <i>Intro to Chemical Engineering Analysis</i>	3	CH 353, <i>Physical Chemistry</i>	3
M 427K, <i>Advanced Calculus for Applications I</i>	4	CHE 348, <i>Numerical Methods in CHE & Problem Solving</i>	3
PHY 303L, <i>Engineering Physics II</i>	3	CHE 353, <i>Transport Phenomena</i>	3
PHY 103N, <i>Laboratory for Physics 303L</i>	1	E 316K, <i>Masterworks of Literature</i>	3
TOTAL	15	TOTAL	16

Third Year

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
CH 153K, <i>Physical Chemistry Laboratory</i>	1	CHE 253M, <i>Measurement, Control & Data Analysis Lab</i>	2
CHE 322, <i>Thermodynamics</i>	3	CHE 363, <i>Separation Processes</i>	3
CHE 333T, <i>Engineering Communication</i>	3	EE 331, <i>Electrical Circuits, Electronics & Machinery</i>	3
CHE 354, <i>Transport Processes</i>	3	Social Science Elective*	3
CHE 253K, <i>Applied Statistics</i>	2	American History*	3
Chemistry Elective*	4	Approved Technical Area Course*	3
TOTAL	16	TOTAL	17

Fourth Year

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
CHE 264, <i>Chemical Engineering Process & Projects Lab</i>	2	CHE 360, <i>Process Control</i>	3
CHE 350, <i>Chemical Engineering Materials</i>	3	CHE 473K, <i>Process Design and Operations</i>	4
CHE 372, <i>Chemical Reactor Analysis and Design</i>	3	American History*	3
Approved Chemical Engineering Area Course*	3	Approved Chemical Engineering Area Course*	3
American Government*	3	Approved Technical Area Course*	3
Approved Advanced Math, Physics, Chemistry or Biology Elective*	3	TOTAL	16
TOTAL	17		

*Check with the Undergraduate Office (CPE 2.706) or online (www.che.utexas.edu) for a list of approved courses.

**CHE 102 is not a degree requirement. Students who do not take this course will take 15 hours of coursework.