

CHEMICAL ENGINEERING

2002-2004 CATALOG

*catalog valid until August 2010

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 Calc</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 ¹	3
Fine Arts/Humanities Elective ¹	3	Social Science Elective ¹	3
TOTAL	15 or 16*	TOTAL	16

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

Second Year

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
^CH 618A, <i>Organic Chemistry</i>	3	^CH 618B, <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 1</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>Unit Operations II: Separation Processes</i>	3
CHE 333T, <i>Engineering Communication</i>	3	^EE 331, <i>Electrical Circuits, Electronics &</i>	3
CHE 354, <i>Unit Operations I: Transport Processes</i>	3	<i>Machinery, or EE 331K, Electric Circuits & Electronics</i>	
CHE 253K, <i>Applied Statistics</i>	2	^EM 314, <i>Mechanics OR EM 306, Statics</i>	3
Chemistry Elective ¹	4	American History ¹	3
TOTAL	16	Approved Technical Area Course ¹	3
		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 ¹	3
Approved Chemical Engineering Area Course ¹	3	Approved Chemical Engineering Area Course ¹	3
American Government ¹	3	Approved Technical Area Course ¹	3
Approved Advanced Math, Physics, Chemistry or	3	TOTAL	16
Biology Elective ¹			
TOTAL	17		

¹ Check with the Undergraduate Office (CPE 2.706) or online (www.che.utexas.edu) for a list of approved courses.

^IMPORTANT: READ THE BACK OF THIS PAGE!!!!

UPDATES TO 2002-2004 CATALOG

Even though a student may graduate under a previous catalog (ie current catalog is 2004-2006, but a student is following the 2002-2004 catalog) changes in the current catalog may affect which courses a student takes.

Below is a list of changes found in more recent catalogs.

CH 618A is now called CH 318M.

CH 618B is now called CH 318N.

E M 314 and **E M 306S** are no longer offered and have been replaced with E M 306.

E E 331K is not being offered after Summer 2004. E E 331 is still a requirement for the CHE degree.