

# CHEMICAL ENGINEERING

## 1998-2000 CATALOG

\*catalog valid until August 2006

### 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
^E 306, <i>Rhetoric and Composition</i> .....	3	PHY 303K, <i>Engineering Physics I</i> .....	3
M 408C, <i>Differential and Integral Calculus</i> .....	4	PHY 103M, <i>Laboratory for Physics 303K</i> .....	1
^M E 210, <i>Engineering Design Graphics</i> .....	2	American Government <sup>1</sup> .....	3
Fine Arts/Humanities Elective <sup>1</sup> .....	3	Social Science Elective <sup>1</sup> .....	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 448, <i>Computer Applications in Chemical Engineering</i> .....	4
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 .....	17

#### 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 353M, <i>Measurement, Control &amp; Data Analysis Lab</i> .....	3
CHE 322, <i>Thermodynamics</i> .....	3	CHE 363, <i>Unit Operations II: Separation Processes</i> .....	3
CHE 333T, <i>Technical Communication</i> .....	3	American History <sup>1</sup> .....	3
CHE 354, <i>Unit Operations I: Transport Processes</i> .....	3	Chemistry Elective <sup>1</sup> .....	4
^E E 331, <i>Electrical Circuits, Electronics, &amp; Machinery</i> or .....	3	Approved Technical Area Course <sup>1</sup> .....	3
E E 331K, <i>Electric Circuits &amp; Electronics</i> .....		TOTAL .....	16
^E M 314, <i>Mechanics</i> , or E M 306, <i>Statics and Dynamics</i> .....	3		
TOTAL .....	16		

#### Fourth Year

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
CHE 264, <i>Chemical Engineering Process &amp; 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 <sup>1</sup> .....	3
Approved Chemical Engineering Area Course <sup>1</sup> .....	3	Approved Chemical Engineering Area Course <sup>1</sup> .....	3
American Government <sup>1</sup> .....	3	Approved Technical Area Course <sup>1</sup> .....	3
^Approved Advanced Mathematics or Chemistry Elective <sup>1</sup> .....	3	TOTAL .....	16
TOTAL .....	17		

<sup>1</sup> Check with the Undergraduate Office (CPE 2.706) or online ([www.che.utexas.edu](http://www.che.utexas.edu)) for a list of approved courses.

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

## UPDATES TO 1998-2000 CATALOG

Even though a student may graduate under a previous catalog (ie current catalog is 2004-2006, but a student is following the 1998-2000 catalog) changes in the current catalog may affect which courses a student takes.

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

**E 306** is no longer offered and has been replaced with RHE 306.

**M E 210** is no longer part of the degree plan and has been replaced with CHE 210.

**CH 618A** is now called CH 318M.

**CH 618B** is now called CH 318N.

**CHE 448** is no longer offered and has been replaced with CHE 348.

**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.

**CHE 353M** is no longer offered and has been replaced with a 2-semester sequence CHE 253K and CHE 253M.

**Approved Advanced Mathematics or Chemistry Elective** has been expanded to Advanced Mathematics, Chemistry, Biology, or Physics.