

**Chemical & Biomolecular Engineering**  
**2006-2007 – FOR STUDENTS ENTERING OHIO STATE IN AU06, Wi07 or Spring 2007**

Name: \_\_\_\_\_ SSN: \_\_\_\_\_ Phone: \_\_\_\_\_

New to OSU: \_\_\_\_\_ email: \_\_\_\_\_@osu.edu

YEAR	AUTUMN	WINTER	SPRING
1	Math 151 (Calc & Analyc Geom) .....5____ Chem. 121 (Gen Chem.) .....5____ Engr 181 (Intro to Engr I).....3____ Engr 100.03 (Engr Survery) .....1____	Math 152(Calc & Analyc Geom)..... 5____ Chem. 122 (Gen Chem)..... 5____ Engr 183A (Intro to Engr II) ..... 3____	Math 153 (Calc & Analyc Geom)..... 5____ Chem. 123 (Gen Chem) ..... 5____ En Graph 167 or (Prob Slv Prog Engr) CS&E 202 (Prog & Algtms for Engrs)4____
2	Chem. 251 (Organic Chemistry) .....3____ ChBE 200 (Pracs Calc 1) .....3____ Math 254 (Calc & Analyc Geom) .....5____ Physics 131 (Partcls & Motion) .....5____	Chem. 252 (Organic Chem) ..... 3____ ChBE 201 (Procs Calcs 2) ..... 3____ Math 415 (Ord& Part Diff Equ)..... 4____ Physics 132 (Electrcy & Magntsm). 5____	Chem. 253 <sup>††</sup> (Organic Chem)..... 3____ ChBE 420 (Transpt Phn I..... 4____ Physics 133 (Elctrdynmc & Quant) . 5____ Chem 254 (Organic Chem Lab) ..... 3____
3	<b>Chem. 530</b> (Physical Chem).....3____ Chem. 541 (Physical Chem Lab) ....3____ ChBE 508 (Thermo I) .....3____ ChBE 521 (Transp Phn II) .....3____	<b>Chem. 531</b> (Physical Chem) ..... 3____ ChBE 509 (Thermo II) ..... 3____ <b>ChBE 522</b> (Transp Phn III)..... 3____	<b>Chem. 532<sup>††</sup></b> (Physical Chem) ..... 3____ <b>ChBE 610</b> (ChE Kinetics) ..... 4____ <b>ChBE 523</b> (Unit Operations)..... 4____ <b>ChBE 750</b> (Profs ChE) ..... 1____
SU	<b>ChBE 630</b> (ChE Operations Lab).....6____		
4	<b>ChBE 624</b> (Procs Dyn & Ctrl) .....4____ <b>ChBE 760</b> (Econ & Strat).....4____	ChBE 764 (Procs Dsgn) ..... 4____ ME 410 (Statics)..... 4____ or ECE 300 (Electrical Circuits) .... 3____	<b>ChBE 762</b> (Procs Dsgn) ..... 4____

**Courses printed in BOLD are taught one quarter per year.**

Please check On-Line Course Offerings for availability of other courses.

GENERAL EDUCATION (40 hrs)

English & Communication Skills (10)  
English 110.xx ( 5 ) \_\_\_\_\_  
2<sup>nd</sup> Writing Course ( 5 ) \_\_\_\_\_  
Writing in core ( ) \_\_\_\_\_

TECHNICAL ELECTIVES (18 hrs)

ChBE xxx ( 3 ) \_\_\_\_\_  
ChBE xxx ( 3 ) \_\_\_\_\_  
 Additional math requirement\*\*

Sub-total Core.....145/144

General Education.....40  
 Technical Electives .....18

TOTAL HOURS .....203/202

Ethics (5)

\_\_\_\_\_ ( ) \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

\*\* Technical electives **MUST** include one of the following courses:

Arts & Humanities (15-20)

a. Historical Survey (10)  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

CIS 541 (3), Math 512 (3), Math 513 (3),  
 Math 514 (3), Math 530 (3),  
 Math 568 (3), Math 571, Stats 520 (5)

b. Analysis of Texts and Works of Art (5-10)

\_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

SOCIAL DIVERSITY  
 (May overlap w/ a GEC category)

\_\_\_\_\_ ( ) \_\_\_\_\_

††OPTIONAL SUBSTITUTIONS

Biochemistry 511 may replace Chem 253  
 Mol Gen 500 may replace Chem. 532  
 (extra two hours count as technical elective credit)

Social Sciences (5-10)

\_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

For full list of technical elective courses, visit <http://www.chbmeng.ohio-state.edu> and look to the "Academics" section for current students.

Acceptance into the Chemical Engineering major is limited to 100 students per year and will depend on the cumulative point-hour ratio (CPHR) upon completion of the following pre-major courses: *Chemistry 121,122,123; Math 151,152, & 153*. Students with CPHR of 3.0 are assured of acceptance. Formal application is required to take ChBE 200. Students are accepted into the major Autumn and Winter quarters with the applications due in Spring for Autumn and Autumn for Winter. Email Mary Hoy, Academic Advisor ([hoy.50@osu.edu](mailto:hoy.50@osu.edu)) or visit [http://www.chbmeng.ohio-state.edu/undergrad/cs\\_application.html](http://www.chbmeng.ohio-state.edu/undergrad/cs_application.html) for more information.