

Chemical & Biomolecular Engineering
2007-2008 – FOR STUDENTS ENTERING OHIO STATE IN Summer 2007 or LATER

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 & Alghms 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 ^{††} (Organic Chem)..... 3____ ChBE 420 (Transpt Phn I..... 4____ Physics 133 (Elctrdynmc & Quant) . 5____ Chem 254 (Organic Chem Lab) 3____
3	Chem. 530 (Physical Chem).....3____ ChBE 508 (Thermo I)3____ ChBE 521 (Transp Phn II)3____	Chem. 531 (Physical Chem) 3____ ChBE 509 (Thermo II) 3____ ChBE 522 (Transp Phn III)..... 3____ Chem. 541 (Physical Chem Lab) 3____	Chem. 532^{††} (Physical Chem) 3____ ChBE 610 (ChE Kinetics) 4____ ChBE 523 (Unit Operations)..... 4____ ChBE 750 (Profs ChE) 1____
SU	ChBE 630 (ChE Operations Lab).....6____		
4	ChBE 624 (Procs Dyn & Ctrl)4____ ChBE 760 (Econ & Strat).....4____	ChBE 764 (Procs Dsgn) 4____ ME 410 (Statics)..... 4____ or ECE 300 (Electrical Circuits) 3____	ChBE 762 (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 (35 hrs)

English & Communication Skills (10)
English 110.xx (5) _____
2nd 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.....35
 Technical Electives18

TOTAL HOURS198/199

Students must take 25 hours across Social Sciences, Historical Study, and Arts & Humanities with a minimum of 5 hours and maximum of 10 hours per category.

Historical Study (5-10)

_____ () _____
 _____ () _____

Arts & Humanities (5-10)

_____ () _____
 _____ () _____

Social Sciences (5-10)

_____ () _____
 _____ () _____

_____ () _____
 _____ () _____
 _____ () _____
 _____ () _____

ETHICS (5 Hours)

(May overlap w/ a GEC category)
 _____ () _____

SOCIAL DIVERSITY

(May overlap w/ a GEC category)
 _____ () _____

** Technical electives **MUST** include one of the following courses: CIS 541, Math 366, Math 512, Math 513, Math 514, Math 530 Math 551, Math 568, Math 571, Stat 427, Stat 520

††OPTIONAL SUBSTITUTIONS

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

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 Brian Endres, Academic Advisor (endres.10@osu.edu) or visit http://www.chbmeng.ohio-state.edu/undergrad/cs_application.html for more information.