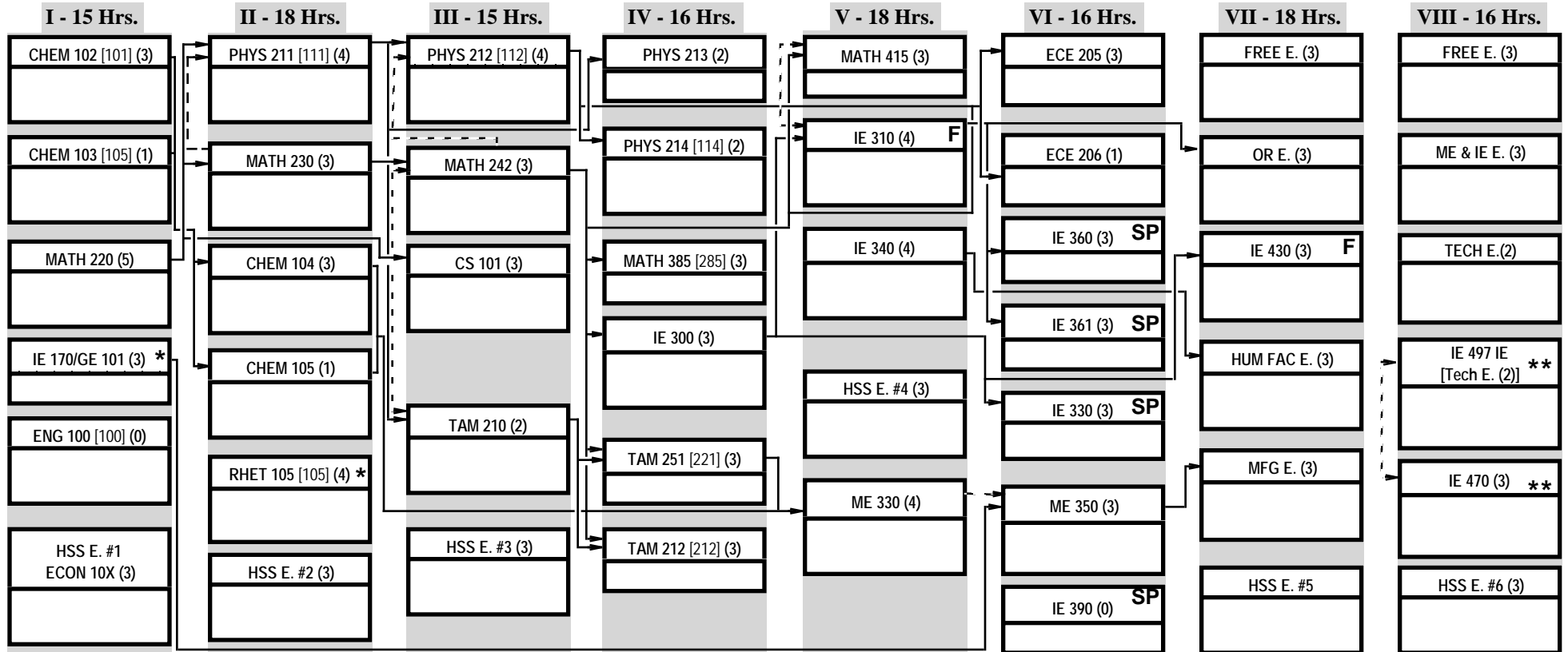


Advisor:

132-hour Curriculum

Graduation Date:



Summary of Free Electives (6 Hrs.) course (credit status)	Human Factors Elective (3 Hrs.) ME/IE Elective (3 Hrs.) Operations Research Elective (3 Hrs.)	Manufacturing Elective (3 Hrs.) Technical Elective (4 Hrs.)	Advanced Composition (3 Hrs.) course (credit status)	Cultural Studies (2 Courses) course (credit status)	***Unreconciled*** course (credit status)	
KEY <u>Status Codes</u> CC = UIUC Credit TR = Transfer Credit IP = In Progress			Campus Social and Behavioral Sciences (6 Hrs.) course (credit status S)		Campus Humanities & Arts (6 Hrs.) course (credit status H)	
NOTES *Rhet 105 or GE 101 to be taken in Fall or Spring as authorized. **IE 470 requires credit or concurrent registration in all required courses and completes the Composition II requirement. **IE 470(3) + GE 497IE(2) to be taken in Fall or Spring based on student's EVEN or ODD UIN number. **GE 497IE(2) counts as Tech Elective.			OTHER Report Any Discrepancies to 209 TB ASAP		Other HSS Courses course (credit status H/S)	
Grad School?			Data Snapshot Date: 10/03/2005 Printed: 2/20/2007		Other Abbreviations HSS = Humanities and Social Sciences H = Humanities Course S = Social Sciences Course E = elective	

COURSE (HRS.) credit status course taken	Prerequisite (Credit) →
COURSE (HRS.) credit status course not taken	Credit OR Concurrent Registration →
Concurrent Registration	SP = offered spring semester F = offered fall semester

Industrial & Enterprise Systems Engineering
Industrial Engineering Undergraduate Curriculum
(132 credit hours)
(Effective for first-year students entering Fall 1997 – Summer 2006
whose UIN ends in an odd number)

Semester 1

CHEM 102—General Chemistry	3
CHEM 103—General Chemistry Lab	1
ENG 100—Engineering Lecture	0
IE 170/GE 101—Computer Aided Design/ Engineering Graphics & Design	3
MATH 220—Calculus I	5
Elective in Social Sciences or Humanities ¹	<u>3</u>
	15

Semester 3

CS 101— Intro to Computing, Eng & Sci	3
MATH 242—Calculus of Several Variables	3
PHYS 212—Univ Physics, Elec & Mag	4
TAM 210—Introduction to Statics	2
Elective in Social Sciences or Humanities ¹	<u>3</u>
	15

Semester 5

IE 310—Intro to Operations Research	4
IE 340—Human Factors	4
ME 330—Engineering Materials	4
MATH 415—Linear Algebra	3
Elective in Social Sciences or Humanities ¹	<u>3</u>
	18

Semester 7

IE 430—Economic Found of Quality Sys Human Factors Elective ²	3
Manufacturing Elective ³	3
Operations Research Elective ⁴	3
Elective in Social Sciences or Humanities ¹	3
Free Elective	<u>3</u>
	18

Semester 2

CHEM 104—General Chemistry II	3
CHEM 105—General Chemistry II Lab	1
MATH 230—Calculus II	3
PHYS 211—Univ Physics, Mechanics	4
RHET 105—Principles of Composition	4
Elective in Social Sciences or Humanities ¹	<u>3</u>
	18

Semester 4

IE 300—Analysis of Data	3
MATH 385—Intro Differential Equations	3
PHYS 213—Univ Physics, Thermal Physics	2
PHYS 214—Univ Physics, Quantum Phys	2
TAM 212—Introductory Dynamics	3
TAM 251—Introductory Solid Mechanics	<u>3</u>
	16

Semester 6

IE 330—Industrial Quality Control	3
IE 360—Facilities Planning and Design	3
IE 361—Production Planning and Ctrl	3
IE 390—Seminar	0
ME 350—Design for Manufacturability	3
ECE 205—Intro Elec & Electr Circuits	3
ECE206—Intro Elec & Electr Ckts Lab	<u>1</u>
	16

Semester 8

IE 470—Senior Design Project	3
ME/IE Elective ⁶	3
Technical Elective ⁵	4
Elective in Social Sciences or Humanities ¹	3
Free Electives	<u>3</u>
	16

1 Each student must satisfy the social sciences and humanities requirements of the College of Engineering, including ECON 102 or 103, and satisfy the campus general education requirements for social sciences and humanities. It is highly recommended ECON 102 or 103 be taken prior to the fourth semester.

2 Human Factors Elective – 3 hours required. Choose from a departmentally approved list.

3 Manufacturing Elective – 3 hours required. Choose from a departmentally approved list.

4 Operations Research Elective – 3 hours required. Choose from a departmentally approved list.

5 Technical Elective – 4 hours required. Choose from a departmentally approved list.

6 ME/IE Elective – 3 hours required. Choose from a departmentally approved list.

7 Student may petition to change the semester assigned to enroll