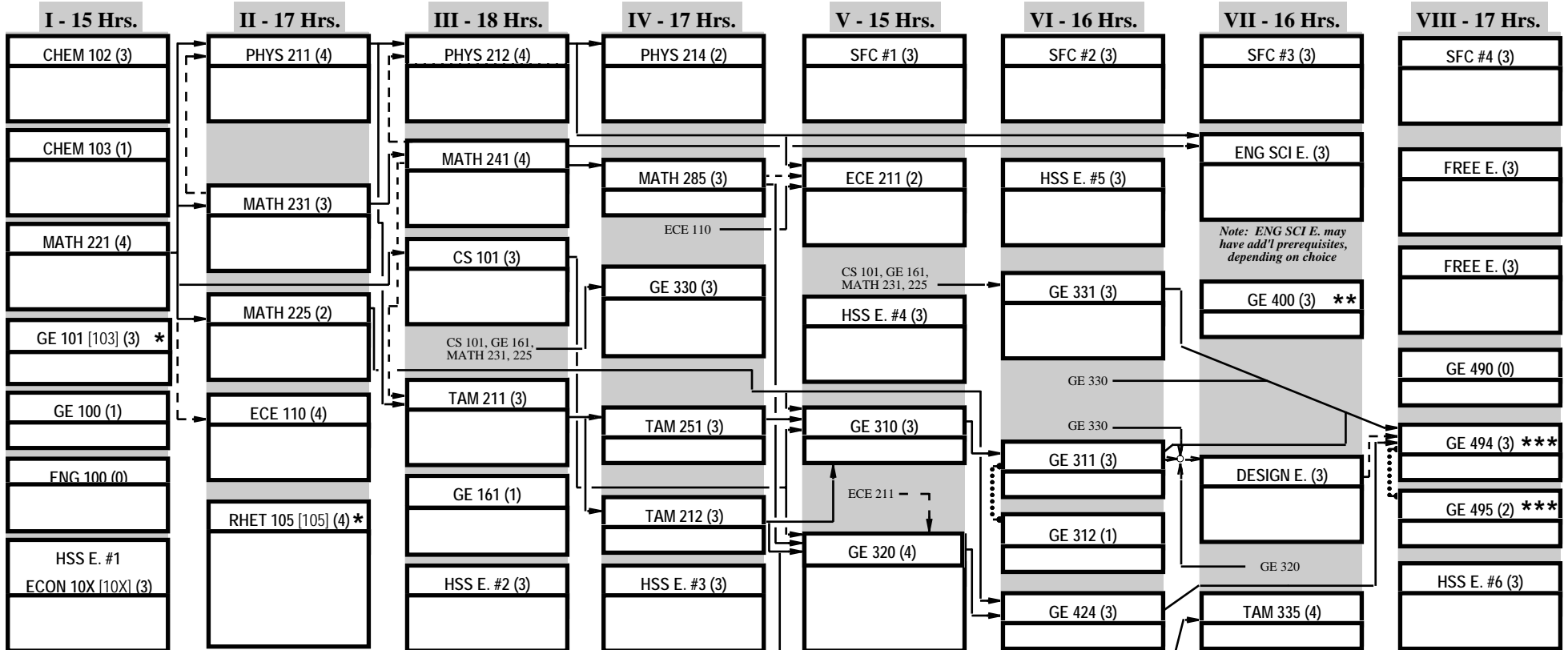


"General Engineering" Curriculum Map

131-hour Curriculum

Secondary Field of Concentration:

Graduation Date:



Summary of Free Electives (6 Hrs.)
course (credit status)

Summary of SFC Courses (12 Hrs.)
course (credit status)

G
E
N
E
R
A
T
I
O
N

Campus Social and Behavioral Sciences (6 Hrs.)
course (credit status S)

Advanced Composition (3 Hrs.)
course (credit status)

Campus Humanities & Arts (6 Hrs.)
course (credit status H)

Cultural Studies (2 Courses)
course (credit status)

Unreconciled course (credit status)

KEY
status codes:
CC = UIUC Credit
TR = Transfer Credit
IP = In Progress
WC = Waived Credit

COURSE (HRS.)
credit status course taken

COURSE (HRS.)
credit status

COURSE (HRS.)
course not taken

Prerequisite (Credit) →

Credit OR Concurrent Registration - - - - -

Concurrent Registration

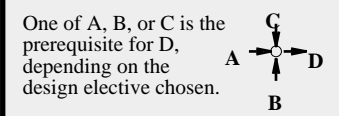
NOTES

*Rhet 105 or GE 101 to be taken in Fall or Spring as authorized.
**GE 400 completes the Composition II requirement.
***GE494/495 to be taken in Fall or Spring based on student's EVEN or ODD UIN number.

OTHER

Other HSS Courses
course (credit status H/S)

other abbreviations:
HSS = Humanities & Social Science
H = Humanities Course
S = Social Sciences Course
SFC = Secondary Field of Concentration
E = Elective
W/N = Western/Non-Western



**Industrial & Enterprise Systems Engineering
General Engineering Undergraduate Curriculum
(131 credit hours)
(Effective for first-year students entering Fall 2006 or after,
whose UIN ends in an odd number)**

Semester 1

CHEM 102—General Chemistry	3
CHEM 103—General Chemistry Lab	1
ENG 100—Engineering Orientation	0
GE 100—Intro to General Engineering	1
GE 101—Engineering Graphics & Design	3
MATH 221—Calculus I	4
Elective in Social Sciences or Humanities ¹	<u>3</u>
	15

Semester 3

CS 101—Intro Computing: Engrg & Sci	3
GE 161—Business Side of Engineering	1
MATH 241—Calculus III	4
PHYS 212—University Physics: Elec & Mag	4
TAM 211—Statics	3
Elective in Social Sciences or Humanities ¹	<u>3</u>
	18

Semester 5

ECE 211—Analog Circuits & Systems	2
GE 310—General Engineering Design	3
GE 320—Control Systems	4
Secondary Field of Concentration Elective ²	3
Elective in Social Sciences or Humanities ¹	<u>3</u>
	15

Semester 7

GE 400—Engineering Law ³	3
TAM 335—Introductory Fluid Mechanics	4
Design Elective ⁵	3
Engineering Science Elective ⁴	3
Secondary Field of Concentration Elective ³	<u>3</u>
	16

Semester 2

ECE 110—Intro Elec & Comp Engrg	4
MATH 231—Calculus II	3
MATH 225—Introductory Matrix Theory	2
PHYS 211—University Physics: Mechanics	4
RHET 105—Principles of Composition	<u>4</u>
	17

Semester 4

GE 330—OR Methods for Profit & Value	3
MATH 285—Intro Differential Equations	3
PHYS 214—University Physics: Quantum Phys	2
TAM 212—Introductory Dynamics	3
TAM 251—Introductory Solid Mechanics	3
Elective in Social Sciences or Humanities ¹	<u>3</u>
	17

Semester 6

GE 312—Instrumentation and Test Lab	1
GE 311—Engineering Design Analysis	3
GE 331—Analyt Methods for Uncertainty	3
GE 424—State Space Design for Control	3
Secondary Field of Concentration Elective ²	3
Elective in Social Sciences or Humanities ¹	<u>3</u>
	16

Semester 8

GE 490—General Engineering Seminar	0
GE 494—Senior Engineering Project I ⁶	3
GE 495—Senior Engineering Project II ⁶	2
Secondary Field of Concentration Elective ³	3
Elective in Social Sciences or Humanities ¹	3
Free Electives	<u>6</u>
	17

- 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 To be selected from lists established by the department or by petition to the department.
- 3 Satisfies the General Education Advanced Composition requirement.
- 4 Engineering Science Electives-Select from a departmentally approved list.
- 5 Design Electives- Select from a departmentally approved list.
- 6 Student may petition to change the semester assigned to enroll