2 Odd

Dept. of Industrial & Enterprise Systems Engineering

"*General Engineering*" Curriculum Map

131-hour Curriculum

Name:

UIN:

Advisor:

Secondary Field of Concentration:

Graduation Date:

I - 16 Hrs.	II - 17 Hrs.	III - 17 Hrs.	IV - 17 Hrs.	V - 15 Hrs.	VI - 16 Hrs.	VII - 16 Hrs.	VIII - 17 Hrs.
CHEM 102 [103] (3)	PHYS 211 [111] (4)	PHYS 212 [112] (4)	PHYS 214 [114] (2)	SFC #1 (3)	SFC #2 (3)	SFC #3 (3)	SFC #4 (3)
CHEM 103 [105] (1)	MATH 230 [130] (3)	MATH 242 (3)	MATH 385 [285] (3)	ECE 211 (2)	HSS E. #5 (3)	ENG SCI E. (3)	FREE E. (3)
MATH 220 [120] (5)	MATH 225 (2)	CS 101 (3)	GE 330 [288] (3)	HSS E. #4 (3)	GE 331 [289] (3)	GE 400 [292] (3)**	FREE E. (3)
GE 101 [103] (3) *	ECE 110 (4)	TAM 211 [152] (3)	TAM 251 [221] (3)	GE 310 [221] (3)	GE 311 [232] (3)	DESIGN E. (3)	GE 490 [291] (0)
GE 100 (1)	RHET 105 (4) *	GE 161 [188] (1)	TAM 212 (3)	GE 320 [222] (4)	GE 312 [225] (1)		GE 494 [342] (3)***
ENG 100 (0)		HSS E. #2 (3)	HSS E. #3 (3)		GE 424 [323] (3)	TAM 335 [235] (4)	GE 495 [343] (2)***
HSS E. #1 ECON 10X (3)							HSS E. #6 (3)

Note: *ENG SCI E. may have add'l prerequisites, depending on choice*

CS 101, GE 16 1[188], MATH 230[130], MATH 225

CS 101, GE 161[188], MATH 230[130], MATH 225

ECE 110

GE 330 [288]

GE 330 [288]

ECE 211

GE 320

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

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

GENERAL EDUCATION

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

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

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

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 not taken

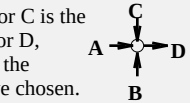
Prerequisite (Credit) →

Credit OR Concurrent Registration ⇢

Concurrent Registration ⋯

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

One of A, B, or C is the prerequisite for D, depending on the design elective chosen.



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.

Grad School?

OTHER

Report Any Discrepancies to 209 TB ASAP

Other HSS Courses
course (credit status H/S)

Data Snapshot Date: *10/03/2005* **Printed:** *2/21/2007*

Industrial & Enterprise Systems Engineering
General Engineering Undergraduate Curriculum
(131 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
GE 100—Intro to General Engineering	1
GE 101—Engineering Graphics & Design	3
MATH 220—Calculus I[2]	5
Elective in Social Sciences or Humanities[1]	3
	16

Semester 2	
ECE 110—Intro Elec & Comp Engrg	4
MATH 230—Calculus II	3
MATH 225—Introductory Matrix Theory[2]	2
PHYS 211—Univ Physics, Mechanics	4
RHET 105—Principles of Composition[1]	4
	17

Semester 3	
CS 101— Intro to Computing, Eng & Sci	3
GE 161—Intro to Business Side of Eng	1
MATH 242—Calculus of Several Variables	3
PHYS 212—Univ Physics, Elec & Mag	4
TAM 211—Statics	3
Elective in Social Sciences or Humanities[1]	3
	17

Semester 4	
GE 330—OR Meth for Profit & Value Eng	3
MATH 385—Intro Differential Equations	3
PHYS 214—Univ Physics, Quantum Phys	2
TAM 212—Introductory Dynamics	3
TAM 251—Introductory Solid Mechanics	3
Elective in Social Sciences or Humanities[1]	3
	17

Semester 5	
ECE 211—Topics Analog Ckts & Systems	2
GE 310—Intro General Eng Design	3
GE 320—Introductory Control Systems	4
Secondary Field of Concentration Elective[3]	3
Elective in Social Sciences or Humanities[1]	3
	15

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 Desgn Meth in Cntl	3
Secondary Field of Concentration Elective[3]	3
Elective in Social Sciences or Humanities[1]	3
	16

Semester 7	
GE 400—Engineering Law[4]	3
TAM 335—Introductory Fluid Mechanics	4
Design Elective[6]	3
Engineering Science Elective[5]	3
Secondary Field of Concentration Elective[3]	3
	16

Semester 8	
GE 490—General Engineering Seminar	0
GE 494—Project Design, I[7]	3
GE 495—Project Design, II[7]	2
Secondary Field of Concentration Elective[3]	3
Elective in Social Sciences or Humanities[1]	3
Free Electives	6
	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 It is recommended that freshmen with appropriate backgrounds in analytical geometry take the MATH 235, 245 calculus sequence (10 hours) instead of MATH 220, 230, 242 sequence (11 hours). If MATH 235, 245 are taken, MATH 415 (3 hours) should be taken in place of MATH 225.
3 To be selected from lists established by the department or by petition to the department.
4 Satisfies the General Education Advanced Composition requirement.
5 Engineering Science Electives-Select from a departmentally approved list.
6 Design Electives- Select from a departmentally approved list.
7 Student may petition to change the semester assigned to enroll