Computer Engineering Undergraduate Curriculum Flowchart 2014 – 2015

Semester	Courses	Sem. Credit Hrs.
1st Semester (Fall)	HIST 1377 US to 1877 · ENGI 1100 Intro to Engr · ENGL 1303 First Year Writing I · ECE 1100 Intro. To ECE · MATH 1431 Calculus I · CHEM 1372 Chem for Engr · CHEM 1117 Chem for Engr Lab	16
2nd Semester (Spring)	HIST 1378 US since 1877 · ENGL 1304 First Year Writing II · ECE 1331 Comp. & Prob. Solv. · MATH 1432 Calculus II · PHYS 1321/1121 Univ Phys I	17
3rd Semester (Fall)	POLS 1336 US & TX Constitutions · ECE 2100 Circuits Lab · ECE 2300 Circuit Analysis · MATH 2433 Calculus III · PHYS 1322/1122 Univ Phys II · MATH 3321 Engineering Math	18
4th Semester (Spring)	XXXX X3XX Lang, Phil, & Culture Core · ENGI 2304 Technical Comm · ECE 3331 Prog Applic In ECE · ECE 3337 Signal & System Analysis · ECE 4436 Micro-processors	16
5th Semester (Fall)	XXXX X3XX Creative Arts Core · ECE 3155 Electronics Lab · ECE 3355 Electronics · ECE 3441 Digital Logic Design · ECE 3317 Applied EM Waves · COSC 1320 Intro to Comp Sci II	17
6th Semester (Spring)	INDE 2333 Engr Statistics · CpE Elective & Lab# · ECE 3457 Digital Electronics · MATH 3336 Discrete Math · COSC 2320 Data Structures	17
7th Semester (Fall)	ECON 2304 Microecon. Principles · ECE 4335 ECE Sys Design I^ · CpE Elective & Lab# · COSC 4351 Fund of SW Engr · ECE 5367 Intro to Comp Arch	16
8th Semester (Spring)	POLS 1337 US Govt · ECE 4336 ECE Sys Design II^ · ECE Elective* · ECE / COSC Elective##	12
	Total Sem. Credit Hrs.	129

17 Jul 2014

Legends and notes on reverse

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Note: Changes in prerequisites/corequisites for a course made subsequent to the date of this chart, although not reflected in the (outdated) flowchart, do apply to students who have not taken the course.
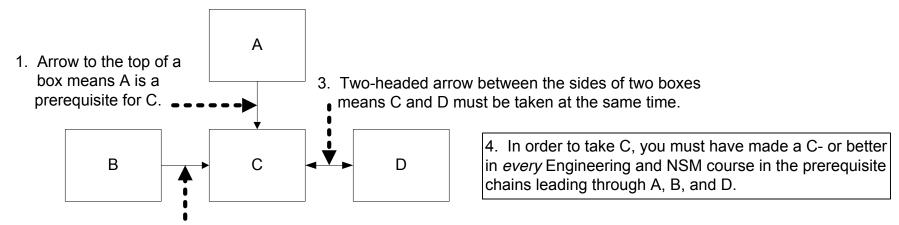
##ECE or COSC Elective: Any ECE elective at the 3000 level or above, or choice of COSC 3480, COSC 3340, or any 3 or 4 SCH 4000-level COSC course. This elective cannot be ECE 3336.

^ECE 4335-4336: These are a two-course sequence that must be taken in consecutive semesters, with 4336 to be taken in the semester of graduation.

#Approved CpE Electives with Lab: ECE 4437, 5436 or 5440.

*ECE Elective: Choose freely from any ECE 3000-, 4000-, or 5000-level course. This elective cannot be ECE 3336.

Courses shown as XXXX X3XX: This means that any appropriate 3-hour course in the indicated category of the core will fit in this box. Remember that the second digit in a course number indicates the number of hours for that course.

1. Arrow to the top of a box means A is a prerequisite for C.

A

3. Two-headed arrow between the sides of two boxes means C and D must be taken at the same time.

B

C

D

4. In order to take C, you must have made a C- or better in *every* Engineering and NSM course in the prerequisite chains leading through A, B, and D.

2. Arrow to the side of a box means credit for or registration in B is a prerequisite for C.