Electrical Engineering – Computer Option Undergraduate Curriculum Flowchart 2012 – 2013

1st Semester (Fall)

- HIST 1377 US to 1877
- POLS 1336 US & TX Constitutions
- 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

18

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 Univ Phys I

16

3rd Semester (Fall)

- POLS 1337 US Govt
- ECE 2100 Circuits Lab
- ECE 2300 Circuit Analysis
- MATH 2433 Calculus III
- PHYS 1322 Univ Phys II
- MATH 3321 Engineering Math

17

4th Semester (Spring)

- XXXX X3XX Visual and Perf Arts Core
- ENGI 2304 Technical Comm
- ECE 3331 Prog Applic In ECE
- ECE 3337 EE Analysis
- ECE 2317 Applied Elec & Magnetism

15

5th Semester (Fall)

- XXXX X3XX Humanities Core
- ECE 3441 Digital Logic Design
- ECE 3155 Electronics Lab
- ECE 3355 Electronics
- ECE 3317 Applied EM Waves
- COSC 1320 Intro to Comp Sci II

17

6th Semester (Spring)

- ECON 2304 Microecon. Principles
- ECE 4436 Micro-processors
- ECE 4339 Solid State Devices
- ECE 4119 Solid State Lab
- INDE 2333 Engr Statistics
- COSC 2320 Data Structures

17

7th Semester (Fall)

- ECE 4335 ECE Sys Design I^
- Approved CpE Elective#
- ECE 3457 Digital Electronics
- ECE Elective*
- ECE 5367 Intro to Comp Arch

17

8th Semester (Spring)

- ECE 4336 ECE Sys Design II^
- Approved CpE Elective#
- ECE Elective & Lab*
- COSC 4330 Fund of Oper Sys

14

Legends and notes on reverse

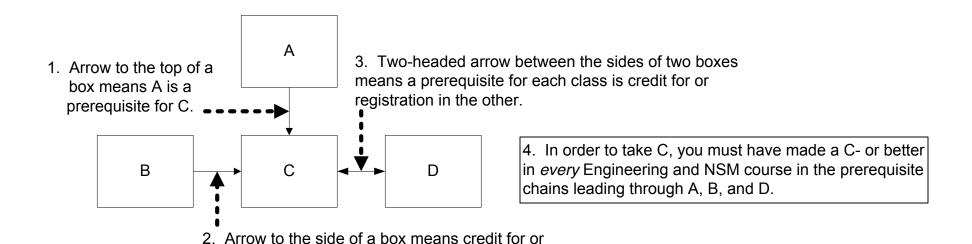Total Sem. Credit Hrs. 131

27 Feb 2013

Electrical Engineering – Computer Option Undergraduate Curriculum Flowchart 2012 – 2013

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in prerequisites/corequisites for a course made subsequent to the date of this chart, although not reflected in the (outdated) flowchart, do apply to students who have not taken the course.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 Electives: At least 7 hours consisting of at least two ECE electives, one of which must have a lab. The electives consist of any 3 or 4 hour ECE courses with associated labs if required at the 3000 level or above except 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: ECE 4437, 5436 or 5440.

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.

3. Two-headed arrow between the sides of two boxes means a prerequisite for each class is credit for or registration in the other.

A

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.