Computer Engineering Curriculum Flow Chart

Version 4.3, for F'19 freshmen

Freshman 1 2 3 | Sophomore 4 5 6 | Junior 7 8 9 | Senior 10 11 12

EL Elective
Pre-requisite
Co-requisite
2 Sophomore+
3 Junior+
4 Senior

Communication
- GS1001 4 cr
- GS1002 4 cr
- GS1003 4 cr

Professional
- 2 → OR402 1 cr
- 3 → HU432 3 cr

Business
- 2 → BA3411 3 cr
- 2 → BA3423 3 cr
- BA2220 3 cr

Electives
- Sci EL 3 cr
- Free EL 3 cr
- M/S EL 3 cr
- HU/SS EL 3 cr
- HU/SS EL 3 cr
- HU/SS EL 3 cr
- HU/SS EL 3 cr
- HU/SS EL 3 cr
- Tech EL 3 cr
- Tech EL 3 cr
- Free EL 3 cr

HU/SS EL – two must be HU, two must be SS, one can be either
Sci EL – most CH, PH, SC, BI prefix courses
M/S – Math/Science, same as Sci EL plus MA prefix courses
Tech EL – select EECS courses, typically CE, EE, SE, CS prefix

Basic Science
- PH2011 4 cr
- PH2021 4 cr
- PH2031 4 cr
- PH3600 4 cr

Mathematics
MA120 or equivalent →
- MA136 4 cr
- MA137 4 cr
- MA2314 4 cr
- MA235 4 cr
- MA2323 3 cr
- MA262 3 cr
- 2 → MA2310 3 cr
- MA383 3 cr

Senior Team Project
Complete N-2 core courses through junior year or have approved plan with ≤ 1 extra quarter →
- CE4000 3 cr
- CE4010 3 cr
- CE4020 3 cr

Circuits
- EE2050 4 cr
- EE2060 4 cr
- EE2070 3 cr

Circuit Applications
- EE3032 4 cr
- EE3221 4 cr
- CE3101 4 cr

Digital Logic
- CE1901 4 cr
- CE1911 4 cr
- CE1921 4 cr

Embedded Systems
- CE2801 4 cr
- CE2812 4 cr
- CE2820 4 cr
- CS3841 4 cr

Networking & Security
- CE4951 4 cr
- CE4961 4 cr
- CS4920 3 cr

Software
CS1011 or procedural programming experience
- CS1011 4 cr
- CS1021 4 cr
- CS2852 4 cr
- SE2030 3 cr
- CS3210 4 cr

Rev 01
3/6/2019

16 + 16 + 16 = 48 | 16 + 15 + 17 = 48 | 17 + 15 + 17 = 49 | 16 + 16 + 15 = 47

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