Computer Engineering Curriculum Map

Students should use this curriculum map as a guide to have a more informed discussion with the departmental academic advisor when selecting courses.
Students not taking courses as advised may result in a delayed graduation date.

First Year		Second Year		Third Year		Fourth Year	
15-16 hrs	17-18 hrs	17 hrs	15 hrs	15 hrs	17 hrs	15 hrs	16 hrs
ECE 120 (4)	ECE 110 (3)	CS 173 (3)[6]	ECE 210 (4)	ECE 313 (3)[8]	ECE 391 (4)	ECE 374 (4)	Design Elect (4)[10]
ENG 100 (1)[1]	ECE 220 (4)	MATH 257 (3)[7]	CS 225 (4)	ECE 385 (3)	Tech Elect (3)[9]	Tech Elect (3)[9]	Tech Elect (3)[9]
MATH 221 (4)[2]	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	Tech Elect (3)[9]	Tech Elect (4)[9]	Tech Elect (4)[9]	Tech Elect (3)[9]
Free Elect (3)[3]	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	Gen Ed Elect (3)[5]	Gen Ed Elect (3)[5]	Free Elect (4)[3]	Tech Elect (3)[9]
RHET 105 (4)[4,5]	Gen Ed Elect (3)[4,5]	Gen Ed Elect (3)[5]	PHYS 214 (2)	Free Elect (3)[3]	Free Elect (3)[3]		Free Elect (3)[3]

[1] External transfer students take ENG 300.

[2] MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.

[3] Additional coursework, subject to the Grainger College of Engineering restrictions to Free Electives, so that there are at least 128 credit hours earned toward the degree (go.grainger.illinois.edu/FreeElectives).

[4] RHET 105 (or an alternative Composition I sequence) is taken either in the first or second semester of the first year, according to the student's UIN (Spring if UIN is Odd). General Education Elective is taken the other semester. Composition I guidelines can be found at http://catalog.illinois.edu/general-information/degree-general-education-requirements/ under Written Communication Requirement.

[5] General education: Students must complete the Campus General Education requirements including the campus general education language requirement (https://courses.illinois.edu/gened/DEFAULT/DEFAULT). ECE 445 or combination of ECE 496 & ECE 499 satisfies a technical core requirement and the Campus General Education Advanced Composition requirement.

[6] MATH 213 may be substituted.

[7] MATH 416 may be taken instead.

[8] STAT 410 may be substituted.

[9] Technical elective credits totaling 30 hours, selected from dept approved list, can be found at: http://catalog.illinois.edu/undergraduate/engineering/computer-engineering-bs/#degreerequirementstext

[10] Design Elective chosen from the list including ECE 411, ECE 445 or combination of ECE 496 and ECE 499. http://catalog.illinois.edu/undergraduate/engineering/computer-engineering-bs/#degreerequirementstext

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