

Electrical 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.

<i>First Year</i>		<i>Second Year</i>		<i>Third Year</i>		<i>Fourth Year</i>	
15-16 hrs ECE 110 (3)	17-18 hrs ECE 120 (4)	18 hrs ECE 220 (4)	14 hrs ECE 210 (4)	16 hrs ECE 329 (3)	16 hrs ECE 313 (3) ⁸	16 hrs Tech Elect (3) ⁷	15 hrs ECE 445 (4) ^{5,9}
MATH 221 (4) ¹	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	ECE 385 (3)	ECE 340 (3)	Tech Elect (3) ⁷	Tech Elect (3) ⁷
CHEM 102 (3)	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	Tech Elect (3) ⁷	Tech Elect (3) ⁷	Tech Elect (4) ⁷	Tech Elect (4) ⁷
CHEM 103 (1)	Free Elect (3) ⁴	MATH 257 (3) ⁶	PHYS 214 (2)	Tech Elect (4) ⁷	Tech Elect (4) ⁷	Gen Ed Elect (3) ⁵	Free Elect (4) ⁴
RHET 105 (4) ^{2,5}	Gen Ed Elect (3) ^{2,5}	Gen Ed Elect (3) ⁵	Free Elect (3) ⁴	Gen Ed Elect (3) ⁵	Free Elect (3) ⁴	Free Elect (3) ⁴	
ENG 100 (1) ³							

¹MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.

²RHET 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.

³External transfer students take ENG 300.

⁴Additional 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).

⁵General 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.

⁶MATH 416 may be taken instead.

⁷Technical Elective credits totaling 31 hours, selected from dept approved list, can be found at: <http://catalog.illinois.edu/undergraduate/engineering/electrical-engineering-bs/#degreerequirementstext>.

⁸STAT 410 may be substituted.

⁹Combination of ECE 496 and ECE 499 may be substituted.