

Mechanical 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	16 hrs	17 hrs	15.5 hrs	16.5 hrs	15 hrs	15 hrs
ENG 100 (1) ¹	CS 101 (3) ⁵	MATH 257 (3)	ME 200 (3)	ME 310 (4)	ME 320 (4)	Stats Elect (3) ⁹	Tech Elect (3) ¹¹
MATH 221 (4) ²	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	ME 340 (3.5)	ME 360 (3.5)	ME 470 (3) ^{8,10}	Tech Elect (3) ¹¹
CHEM 102 (3)	PHYS 211 (4)	PHYS 212 (4)	ECE 205 (3) ⁷	ECE 206 (1)	ME 371 (3)	MechSE Elect (3) ¹¹	MechSE Elect (3) ¹¹
CHEM 103 (1)	Science Elect (4) ⁶	TAM 210 (2)	TAM 212 (3)	ME 330 (4)	Gen Ed Elect (3) ⁴	Gen Ed Elect (3) ⁴	Gen Ed Elect (3) ⁴
RHET 105 (4) ^{3,4}	ME 170 (3) ³	ME 270 (3)	TAM 251 (3)	ME 370 (3)	Free Elect (3) ⁸	Free Elect (3) ⁸	Free Elect (3) ⁸
ECON 102 or ECON 103 (3) ⁴		ME 290 (0)	Free Elect (2) ⁸				

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 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 (SP if UIN is odd). ME 170 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.

⁴ General Education: Students must complete the Campus General Education requirements including the campus general education language requirement (<https://courses.illinois.edu/gened/DEFAULT/DEFAULT>). One of the SBS courses must be an introductory economics course (ECON 102 or ECON 103). ME 470 will satisfy a core course requirement and the Campus General Education Advanced Composition requirement.

⁵ CS 124 or ECE 220 may be substituted.

⁶ Science Elective of 4 hours, semester placement depends on prerequisites. Students may choose from CHEM 104 & 105, MCB 150 (& 151 recommended) or PHYS 213 & 214.

⁷ ECE 110 and either ECE 210 or ECE 211 may be substituted.

⁸ 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).

⁹ Statistics Elective totaling 3 hours. IE 300 or STAT 400 (4 hrs). The extra hour for STAT 400 will count towards Free Elective hours.

¹⁰ ME 470 is taken either the first or second semester of the fourth year, according to the student's UIN (FA if UIN is odd, SP if UIN is even). ME 470 satisfies the Advanced Composition requirement. Technical Elective is taken the other semester.

¹¹ MechSE Electives totaling 6 hours and Technical Electives totaling 6 hours, selected from dept approved lists: <http://catalog.illinois.edu/undergraduate/engineering/mechanical-engineering-bs/#degreerequirementstext>. The Technical Elective category can also be fulfilled with MechSE Electives over the required 6 hours.