

Engineering Mechanics 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>	
16-17 hrs	16-17 hrs	16 hrs	17 hrs	16 hrs	16 hrs	15 hrs	15 hrs
TAM 195 (1)	CS 101 (3) ⁵	TAM 211 (3)	TAM 212 (3)	TAM 335 (4)	TAM 324 (4) ⁶	ME 470 (3) ^{6,8}	Sec Fld Elect (3) ⁹
MATH 221 (4) ¹	MATH 231 (3)	MATH 257 (3)	MATH 241 (4)	MATH 441 (3)	TAM 412 (4)	MATH 442 (3)	Sec Fld Elect (3) ⁹
CHEM 102 (3)	PHYS 211 (4)	CHEM 104 (3)	PHYS 212 (4)	ME 200 (3)	PHYS 213 (2)	TAM 470 (3)	Sec Fld Elect (3) ⁹
CHEM 103 (1)	Gen Ed Elect (3) ⁶	CHEM 105 (1)	TAM 251 (3)	ECE 205 (3) ⁷	PHYS 214 (2)	Sec Fld Elect (3) ⁹	Gen Ed Elect (3) ⁶
RHET 105 (4) ^{2,6}	ME 170 (3) ²	TAM 270 (3)	TAM 252 (1)	Free Elect (3) ⁴	TAM 445 (4)	Gen Ed Elect (3) ⁶	Free Elect (3) ⁴
ENG 100 (1) ³		ME 290 (0)	Free Elect (2) ⁴				
Free Elect (3) ⁴		Gen Ed Elect (3) ⁶					

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

² 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.

³ External transfer students take ENG 300.

⁴ 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).

⁵ CS 124 or ECE 220 may be substituted.

⁶ General Education: Students must complete the **Campus General Education** requirements including the campus general education language requirement (<https://courses.illinois.edu/gened/DEFAULT/DEFAULT>). ME 470 and TAM 324 will each satisfy a core course requirement and the Campus General Education Advanced Composition requirement.

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

⁸ 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). Secondary Field Elective is taken the other semester.

⁹ Secondary Field Electives totaling 12 hours, selected from dept approved list or pre-approved by your departmental academic advisor: <http://catalog.illinois.edu/undergraduate/engineering/engineering-mechanics-bs/#degreerequirementstext>.