

Industrial 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	16-17 hrs	16 hrs	17 hrs	16 hrs	15 hrs	15-17 hrs	15-17 hrs
SE 100 (1)	CS 101 (3) ⁶	SE 261 (2)	IE 300 (3)	IE 310 (3)	IE 361 (3)	IE 400 (3)	IE 371 (3)
MATH 221 (4) ¹	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	MATH 257 (3)	IE 370 (3)	SE 494 (3) ^{3,10}	Free Elec (3) ⁵
CHEM 102 (3)	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	IE 360 (3)	Track Opt (3) ⁷	SE 495 (2) ^{3,10}	Track Opt (3) ⁷
CHEM 103 (1)	ECE 110 (3)	TAM 211 (3)	TAM 212 (3)	ME 330 (4)	Track Opt (3) ⁷	Track Opt (3) ⁷	Free Elec (3) ⁵
RHET 105 (4) ^{2,3}	SE 101 (3)	ECON 102 or ECON 103 (3) ³	TAM 251 (3)	Gen Ed Elect (3) ³	IE Tech Elec (3) ⁸	CS Elective (3) ⁹	Free Elec (3) ⁵
ENG 100 (1) ⁴			SE 290 (0)			Gen Ed Elect (3) ³	
Free Elect (2) ⁵			Gen Ed Elect (3) 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). SE 101 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>.

³General education: Students must complete the Campus General Education requirements including the campus general education language requirement. One of the SBS courses must be an introductory economics course (ECON 102 or ECON 103). SE 494 and SE 495 will satisfy a core course requirement and the Campus General Education Advanced Composition requirement.

⁴External transfer students take ENG 300.

⁵Additional 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).

⁶CS 124 may be substituted.

⁷Students must select one Track Option (TO) totaling 12 hours from departmentally approved lists found at: <http://catalog.illinois.edu/undergraduate/engineering/industrial-engineering-bs/#degreerequirementstext>. Courses on these elective lists may only be used to fulfill one curricular requirement.

⁸Students must select one Technical Elective course totaling 3 hours from a departmentally approved list found here: <http://catalog.illinois.edu/undergraduate/engineering/industrial-engineering-bs/#degreerequirementstext>. Courses on these elective lists may only be used to fulfill one curricular requirement.

⁹Students must select one Computer Science Elective course totaling 3 hours from a departmentally approved list found here: <http://catalog.illinois.edu/undergraduate/engineering/industrial-engineering-bs/#degreerequirementstext>. Courses on these elective lists may only be used to fulfill one curricular requirement.

¹⁰SE 494 and SE 495 are to be taken based on the student's UIN (Odd UIN is Spring; Even is Fall). These courses also complete the Advanced Composition requirement. All courses in the first, second, and third year should be completed prior to enrollment. Specific prerequisites are: SE 261, SE 290, IE 310, and the IE technical elective (these courses are to be completed prior to enrollment in SE 494 and SE 495).