

Industrial Engineering 2012-2013 Catalog: Suggested Course Sequence

Degrees	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
B.S. in IE 122 credits	Math 165 Calc I 4 cr Placement	Math 166 Calc II 4 cr C- or better in Math 165	Math 265 Calc III 4 cr C- or better in Math 166	Math 267 Diff Eq/Lap 4 cr C- or better in Math 166	I E 305 Eng Econ 3 cr Math 166	I E 348 Solidif Proc 3 cr IE 248 <i>Spring Only</i>	I E 413 Stoch Model 4 cr Math 267 Stat 231 <i>Fall Only</i>	I E 441 Design Proj 3 cr 248, 271, 361 Credit or Enrollment in 341, 413 and 448
	SSH Elective 3 cr	Phys 221 Class Phys I 5 cr Credit/enrollment in Math 166	I E 248 Intro Mfg Pr 3 cr Credit or enrollment in 101 and Mat E 273 <i>Fall Only</i>	Stat 231 Prob & Stat 4 cr Credit/enrollment in Math 265	I E 341 Prod Syst 3 cr Stat 231 Credit/enrollment in IE 312 <i>Fall Only</i>	I E 361 Qual Control 3 cr Stat 231	Engl 314 Tech Comm 3 cr	I E 448 Manuf Sys E 3 cr IE 248 & 305 <i>Spring Only</i>
	Chem 167 Engr Chem 4 cr Math 140 or placement	SSH Elective 3 cr	Mat E 273 Principles of Materials Science 3 cr Sophomore Chem 167 or 177, Math 165	I E 271 Appl Ergo 3 cr Physics 221 <i>Spring Only</i>	I E 312 Optimization 3 cr Math 267 <i>Fall Only</i>	Engr Topic Elective 3 cr	M E 231 Engineering Thermodynamics I 3 cr Math 265, Chem 167, Phys 222	Focus Elective 3 cr
	IE 148 Infor Eng 3 cr Credit/enrollment in Math 142	Engl 150 Comp I 3 cr C or Better	Phys 222 Class Phys II 5 cr Phys 221 Math 166	E M 274 Statics 3 cr Credit/enrollment in Math 166 & Phys 221	E E 442 Intro Circuits 2 cr Math 267 Physic 222	SSH Elective 3 cr	Focus Elective 3 cr	Mgmt Elective 3 cr
	Engr 101 Orientation R cr	Lib 160 Library 1 cr	Engl 250 Comp II 3 cr C or better		Sp Cm 212 Prof Comm 3 cr	Mgmt Elective 3 cr	SSH Elective 3 cr	Engr Topic Elective 3 cr
		I E 101 I E Orient R cr						
122 Total Credits	14 cr	16 cr	18 cr	14 cr	14 cr	15 cr	16 cr	15 cr

Applicable prerequisites and co-requisites are listed under each course.

Note: Please verify all prerequisites and semester offerings with current course catalog

Elective List can be found on the IMSE website at <http://www.imse.iastate.edu/undergraduate-program/advising/>

Course Descriptions can be found at: <http://catalog.iastate.edu/azcourses/>

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