

Industrial Engineering - possible path to a four-year degree in three years

Student arrives with: Math through Calc III (MATH 165, 166, 265); Physics through Phys II (Phys 221 & 222); English 150; Chemistry I (Chem 167)

Year 1

Fall		Spring	
3	I E 148 (Engineering Problems)	4	Math 267 (Differential Equations)
3	I E 248 (Manufacturing)	4	Stat 231 (Statistics for Engineers)
3	Mat E 273 (Prin of Materials E)	3	I E 271 (Applied Ergonomics)
R	Engr 101 (Engr Orientation)	3	I E 222 (Methods for System Improvements)
3	Engl 250 (WOVE Comp)	R	I E 101 (I E Profession)
1	Lib 160 (Library)		
13	Total Credits	14	Total Credits

Summer between YR1 & YR2

3	I E 305 (Engineering Economics)
3	Total Credits

Year 2

Fall		Spring	
3	I E 312 (Optimization)	3	I E 348 (Solidification Processes)
3	I E 341 (Production Systems)	3	I E 361 (Quality Control)
3	E M 274 (Statics)	3	Sp Cm 212 (Public Speaking)
3	SSH Elective	3	Engr Topic Elective
3	SSH Elective	3	SSH Elective
15	Total Credits	15	Total Credits

Summer between YR2 & YR3

3	M E 231 (Thermodynamics)
3	Total Credits

Year 3

Fall		Spring	
4	I E 413 (Stochastic Modeling)	3	I E 441 (IE Design)
3	Engl 314 (Tech Communication)	3	I E 448 (Manufacturing Systems)
2	E E 442 (Introduction to Circuits)	3	Focus Elective
3	Focus Elective	3	Management Elective
3	SSH Elective	3	Engr Topic Elective
15	Total Credits	15	Total Credits

This curriculum is intended to demonstrate that it is possible to complete a four-year degree in three years. The courses and sequence should be verified with an academic advisor, as the curriculum can change to address the needs of employers. Similar accelerated programs can be developed in all engineering disciplines.