

Industrial Engineering B.S.I.E.

2- Year Plan of Study

Items marked with a ☒ are critical for the student to remain on track for graduation.

Notes

The Plan of Study is a static review of the degree. Connect with your major advisor for a personalized path toward graduation.

Potential Entry Level Job Titles:

Data Analyst • Health Care Optimization Manager • Manufacturing Product and Process Improvement Engineer • Transportation Systems Analysis and Design Analyst • Logistics Director in U.S. Military

Potential Entry Level Salary Range:

\$60,000 - \$72,000

Semester 1 - Fall

Crit	Course/Requirement	Credits
<input type="checkbox"/>	EGN 3000 - Foundations of Engineering	0
<input checked="" type="checkbox"/>	EGN 3311 - Statics	3
<input type="checkbox"/>	EIN 4241 - Human-Machine Systems Eng	3
<input type="checkbox"/>	EIN 4621 - Manufacturing Processes	3
<input checked="" type="checkbox"/>	ESI 4007 - Engineering Programming	3
<input checked="" type="checkbox"/>	ESI 4312 - Foundations of Optimization	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 2 - Spring

Crit	Course/Requirement	Credits
<input type="checkbox"/>	EGN 3373 - Electrical Systems I	3
<input checked="" type="checkbox"/>	EIN 4333 - Production Control	3
<input checked="" type="checkbox"/>	ESI 4221 - Statistical Quality Analytics	3
<input checked="" type="checkbox"/>	ESI 4313 - Stochastic Systems	3
<input type="checkbox"/>	ESI 4620 - Principles of Data Engineering	3
<input type="checkbox"/>		
<input type="checkbox"/>		
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<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 3 - Summer		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	EGN 3365 - Materials Engineering I	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 4 - Fall		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	ENC 3246 -Communication for Engineers	3
<input checked="" type="checkbox"/>	EIN 4890 - Senior Design Project I	3
<input type="checkbox"/>	ESI 4244 - Design Of Experiments	3
<input type="checkbox"/>	ESI 4523 - Systems Simulation	3
<input checked="" type="checkbox"/>	ESI 4606 - Analytics I - Data Science	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 5 - Spring		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	EIN 4601C - Automation & Robotics	3
<input type="checkbox"/>	EIN 4891 - Senior Design Project II	3
<input type="checkbox"/>	ESI 4607 - Analytics II: Applied Data Sci	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Apply for Graduation	0
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		