

# INDUSTRIAL ENGINEERING, BS

## Course Sequencing

### First Year

Fall		Hours
USSE 1201	University Seminar	2
MATH 2413	Calculus I	4
ENGL 1301	Writing and Rhetoric I	3
HIST 1301	U.S. History to 1865	3
CHEM 1411	General Chemistry I	4
ENGR 1201	Introduction to Engineering	2
<b>Hours</b>		<b>18</b>

### Spring

ENGL 1302	Writing and Rhetoric II	3
or COMM 1311	or Foundation of Communication	
MATH 2414	Calculus II	4
COSC 1330	Programming for Scientists, Engineers, and Mathematicians	3
PHYS 2425	University Physics I	4
ENGR 1312	Engineering Graphics I	3
<b>Hours</b>		<b>17</b>

### Second Year

Fall		Hours
HIST 1302	U.S. History Since 1865	3
PHYS 2426	University Physics II	4
MATH 2415	Calculus III	4
ENGR 2325	Statics	3
ENGR 2025	Statics Recitation	0
IEEN 2302	Engineering Economics	3
<b>Hours</b>		<b>17</b>

### Spring

MATH 3315	Differential Equations	3
ENGR 2460	Circuit Analysis	4
ENGR 3316	Thermodynamics	3
ENGR 3322	Materials Science	3
<b>Hours</b>		<b>13</b>

### Third Year

Fall		Hours
POLS 2305	U.S. Government and Politics	3
MATH 3342	Applied Probability and Statistics	3
MATH 3311	Linear Algebra	3
IEEN 3330	Robotics and Automation	3
ENGR 3350	Manufacturing Processes	3
<b>Hours</b>		<b>15</b>

### Spring

POLS 2306	State and Local Government	3
IEEN 3320	Human Factors	3
IEEN 3302	Operations Research	3
Technical elective		3

Language, Philosophy & Culture Core Requirement	3
<b>Hours</b>	<b>15</b>

### Fourth Year

Fall		Hours
ENGR 4420	Engineering Lab Measurements	4
ENGR 4240	Project Management	2
IEEN 4312	Experimental Design and Analysis	3
IEEN 3324	Human Systems Interface	3
Social and Behavioral Sciences Core Requirement	3	
<b>Hours</b>		<b>15</b>

### Spring

ENGR 4370	Capstone Projects	3
IEEN 4330	Digital Systems Simulation	3
Creative Arts Core Requirement	3	
Technical elective	3	
Technical elective	3	
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>125</b>