

**2019-2020 Industrial Engineering Degree Requirements  
Program of Study (128 Hours)**

<b>FALL SEMESTER 1</b>		
Course No.	Hours	
ENC 1101	Composition I	3
MAC 2311	Calculus I	4
CHS 1440	Chemistry for Engineers	4
EGS 1006C	Intro to Engr. Profession	1
Hours		12

<b>SPRING SEMESTER 2</b>		
Course No.	Hours	
ENC 1102	Composition II	3
MAC 2312	Calculus II	4
PHY 2048C	Physics I	4
EGN 1007C	Engr. Concepts & Methods	1
Hours		12

<b>SUMMER SEMESTER 3</b>		
Course No.	Hours	
COP 3223C	Intro to C Programming	3
SPC 1603	Technical Presentations	3
ECO 2013	Macroeconomics <b>OR</b>	3
ECO 2023	Microeconomics	
Hours		9

<b>FALL SEMESTER 4</b>		
Course No.	Hours	
MAC 2313	Calculus III	4
EGN 3310	Engr Analysis - Statics	3
STA 3032	Prob & Stat for Engrs	3
EIN 2002	Introduction to IE	1
Historical Foundation I		3
Hours		14

<b>SPRING SEMESTER 5</b>		
Course No.	Hours	
MAP 2302	Differential Equations	3
EGN 3321	Engr Analysis - Dynamics	3
EIN 3351	Eng Econ Anal & Cost Engr	3
MAS 3105	Matrix and Linear Algebra	4
Hours		13

<b>SUMMER SEMESTER 6</b>		
Course No.	Hours	
PHY 2049C	Physics II	4
PSY 2012/ANT 2000/SYG 2000		3
Cultural Foundation		3
Hours		10

<b>FALL SEMESTER 7</b>		
Course No.	Hours	
EIN 4360	Facilities Plan. & Work Design	4
ESI 4221	Empirical Methods IE	3
EGN 3373	Principles of Electrical Engr.	3
ESI 4312	Deterministic Methods for OR	3
Hours		13

<b>SPRING SEMESTER 8</b>		
Course No.	Hours	
ESI 4313	Stochastic Methods for OR	3
ESI 4523	Systems Simulation	3
EIN 4243	Human Engineering	3
EIN 4333	Production and Distribution	3
Hours		12

<b>SUMMER SEMESTER 9</b>		
Course No.	Hours	
Science Foundation II		3
Historical Foundation II		3
EGN 3343	Thermodynamics	3
Hours		9

<b>FALL SEMESTER 10</b>		
Course No.	Hours	
EIN 4391	Manufacturing Engineering	3
ESI 4234	Quality Engineering	3
ESI 4628	IE Decision Support Systems	3
Approved Technical Elective		3
Hours		12

<b>SPRING SEMESTER 11</b>		
Course No.	Hours	
EIN 4891C	IE Senior Design Project	4
EIN 4517	Systems Engineering	3
EGS 4624	Engr Innovation & Leadership	3
Approved Technical Elective		2
Hours		12

Total Fall SCH 51

Total Spring SCH 49

Total Summer SCH 28

Grand Total SCH 128

Revised: 2/25/2019