

**2015- 2016 Industrial Engineering Degree Requirements
Program of Study (128 Hours)**

FALL SEMESTER 1		
Course No.		Hours
ENC 1101	Composition I	3
MAC 2311C	Calculus I	4
CHS 1440	Principles of Chem	4
EGS 1006C	Intro to Eng Profession	1
Hours		12

SPRING SEMESTER 2		
Course No.		Hours
ENC 1102	Composition II	3
MAC 2312	Calculus II	4
PHY 2048C	Physics 1	4
EGN 1007C	Eng Concepts & Method	1
Hours		12

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

FALL SEMESTER 4		
Course No.		Hours
MAC 2313	Calculus III	4
EGN 3310	Engr Anal - Statics	3
Historical Foundation I		3
STA 3032	Prob & Stat for Eng	3
EIN 2002	Intro to IE	1
Hours		14

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

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

FALL SEMESTER 7		
Course No.		Hours
EIN 3314	Work Meas. & Design	3
ESI 4628	IE Computer Appl	3
EGN 3373	Prin of Electrical Eng	3
ESI 4312	Operations Research	3
Hours		12

SPRING SEMESTER 8		
Course No.		Hours
EIN 4364	Facilities Planning	3
ESI 4523	Systems Simulation	3
EIN 4333	Production and Distrib.	3
EIN 4243C	Human Engineering	3
Hours		12

SUMMER SEMESTER 9		
Course No.		Hours
Science Foundation II		3
Historical Foundation II		3
EGN 3343	Thermodynamics	3
Hours		9

FALL SEMESTER 10		
Course No.		Hours
ESI 4221	Empirical Methods IE	3
EIN 4391	Mfg Engineering	3
ESI 4234	Quality Engr	3
Approved Technical Elective		3
Hours		12

SPRING SEMESTER 11		
Course No.		Hours
EIN 4891C	IE Senior Design Project	4
EGS 4624	Eng Innovation & Lead	3
EIN 4517	Systems Engineering	3
Approved Technical Elective		3
Hours		13