

**2014- 2015 Industrial Engineering Degree Requirements
Program of Study (128 Hours)**

| FALL SEMESTER 1 | | |
|------------------------|---------------------------|--------------|
| 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 |

| SPRING SEMESTER 2 | | |
|--------------------------|--------------------------|--------------|
| 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 |

| 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 Analysis - Statics | 3 |
| STA 3032 | Prob & Stat for Engrs | 3 |
| EIN 2002 | Introduction to IE | 1 |
| Historical Foundation I | | 3 |
| Hours | | 14 |

| SPRING SEMESTER 5 | | |
|--------------------------|---------------------------|--------------|
| 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 |

| 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 Analysis & Design | 3 |
| ESI 4628C | IE Computer Applications | 3 |
| EGN 3373 | Principles of Electrical Engr. | 3 |
| ESI 4312 | Operations Research | 3 |
| Hours | | 12 |

| SPRING SEMESTER 8 | | |
|--------------------------|-----------------------------|--------------|
| Course No. | | Hours |
| EIN 4364 | Facilities Planning | 3 |
| ESI 4523C | Systems Simulation | 3 |
| EIN 4243C | Human Engineering | 3 |
| EIN 4333 | Production and Distribution | 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 |
| EIN 4391 | Manufacturing Engineering | 3 |
| ESI 4234 | Quality Engineering | 3 |
| ESI 4221 | Empirical Methods IE | 3 |
| Approved Technical Elective | | 3 |
| Hours | | 12 |

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

Total Fall SCH 50

Total Spring SCH 50

Total Summer SCH 28

Grand Total SCH 128