# Engineering: Industrial Engineering – Associate in Applied Science

## FIRST YEAR

***Fall Semester*** ***18-20 Hours***

UNIV 1001/1113 Intro to Univ Life/Study Strats ..... (1/3)
ENGL 1113 English Composition I ..... (3)
HIST 1483/1493 U.S. History to/since 1865 ..... (3)
PS 1113 American Federal Government ..... (3)
**ENGR 1411 Introduction to Engineering (FA)** ..... (1)
**ENGR 1412 Engineering Design (FA)** ..... (2)
MATH 2215 Calculus and Analytic Geometry I ..... (5)

***Spring Semester*** ***18 Hours***

CHEM 1364/1361 General Chemistry I/Lab ..... (5)
MATH 2235 Calculus and Analytic Geometry II ..... (5)
PHYS 2015/2015L Physics I/Lab for Science & Engineering Majors ..... (5)
**ENGR 2113 Statics (SP)** ..... (3)

## SECOND YEAR

***Fall Semester*** ***18 Hours***

ENGL 1213 English Composition II ..... (3)
**ENGR 2223 Fluid Mechanics (FA)** ..... (3)
ENGR 2213 Thermodynamics ..... (3)
MATH 2244 Calculus and Analytic Geometry III ..... (4)
PHYS 2025/2025L Physics II/Lab for Science and Engineering Majors ..... (5)

***Spring Semester*** ***15 Hours***

ENGR 2002 Professional Development ..... (2)
ENGR 2533 Dynamics ..... (3)
**ENGR 2723 Electrical Circuits (SP)** ..... (3)
MATH 3253 Differential Equations ..... (3)
CS 1314/1314L Computer Science I/Lab ..... (4)

[M] Denotes Minimum Grade Needed for Course
[R] Denotes Restriction to Students Admitted to Educator Preparation Program
**!** Denotes Critical Course
**Bolded** courses indicate guaranteed course rotation for major core: (FA=Fall; SP=Spring; SU=Summer; O=Odd Year; E=Even Year).

This is a recommended semester-by-semester plan of study for this major for a hypothetical student and will not substitute for meeting with an advisor to discuss individual student needs. Course offerings are subject to change based on enrollment. However, courses or requirements designated as critical (**!**) must be completed in the semester listed to ensure a timely graduation.

## Graduation Requirements Summary

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|---|---|
| Minimum Total Hours for Graduation | 68 |
| Minimum Upper-Division Hours | N/A |
| Minimum Gen Ed Hours | 27 |
| Minimum Liberal Arts Hours | N/A |
| Minimum Major GPA | 2.000 |
| Minimum Overall GPA | 2.000 |