SUGGESTED FOUR-YEAR SCHEDULE: 2019-20
B.S. in Industrial Engineering

**COLLEGE OF
Science and
Engineering
A&M·COMMERCE**

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
*Component Area	3
*MATH 2413, Calculus I	4
ENGR 110, Introduction to Engineering	3
ENGR 1304, Computer-Aided Design	3
Total Hours	**16**

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
*HIST 1301, US History to 1877	3
*PHYS 2425, University Physics I	4
MATH 2414, Calculus II	4
ENGR 113, Product Design & Develop	3
Total Hours	**17**

Second Year Fall Semester

*HIST 1302, US History from 1865	3
PHYS 2426, University Physics II	4
MATH 2320, Differential Equations	3
ENGR 2303, Engineering Mechanics	3
ENGR 2304, Computing for Engineers	3
Total Hours	**16**

Second Year Spring Semester

*Creative Arts	3
MATH 2318, Linear Algebra	3
COSC 1436, Intro to Comp Sci & Prog	4
ENGR 213, Engineering Statistics	3
ENGR 2308, ENGR Economic Analysis	3
Total Hours	**16**

Third Year Fall Semester

*CHEM 1311, Gen & Quant Chemistry I	3
*CHEM 1111, Gen & Quant CHEM I Lab	1
*PSCI 2305, US Government & Politics	3
*ECO 2302, Principles of Micro Economics	3
IE 311, Advanced Engineering Statistics	3
IE 312, Industrial Operations Research I	3
Total Hours	**16**

Third Year Spring Semester

IE 305, Facilities Planning & Management	3
IE 313, Industrial Operations Research II	3
IE 314, Statistical Quality Control	3
IE 318, Analysis of Production Systems	3
IE 410, Systems Simulations	3
Total Hours	**15**

Fourth Year Fall Semester

ENGR 411, Engineering Management	3
IE 403, Human Factors Engineering	3
IE 409, Work Design	3
IE 431, Manufacturing Support Systems	3
IE 471, Planning for Industrial Syst Design	3
Total Hours	**15**

Fourth Year Spring Semester

*PSCI 2306, TX Government & Politics	3
*Literature, Philosophy & Culture	3
IE 444, Systems Engineering	3
IE 486, Service Systems Analysis	3
IE 495, Industrial Systems Desgin	3
Total Hours	**15**

Degree Total	**126**

* This course should be used to satisfy the Core Curriculum Requirements

The suggested plan shown is subject to change. Please check the current Undergraduate Catalog (catalog.tamuc.edu) for required courses in your program.