

SUGGESTED FOUR-YEAR SCHEDULE: 2018-19

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 (Signature Course)	3
ENGR 110, Introduction to Engineering	3
ENGR 1304, Computer-Aided Design	3
*MATH 2413, Calculus I	4
Total Hours	16

First Year Spring Semester

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

Second Year Fall Semester

ENGR 2303, Engineering Mechanics	3
ENGR 2304, Computing for Engineers	3
MATH 2320, Differential Equations	3
COSC 1436 & 1436L, Intro to Comp Sci & Prog	4
*HIST 1302, US History from 1865	3
Total Hours	16

Second Year Spring Semester

ENGR 2308, Engineering Economic Analysis	3
ENGR 213, Engineering Statistics	3
MATH 2318, Linear Algebra	3
PHYS 2426, University Physics II	4
CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
Total Hours	17

Third Year Fall Semester

*PSCI 2301, Princ of US & TX Govt	3
*Creative Arts	3
*ECO 2301, Macro Economics or ECO 2302, Micro Economics	3
IE 312, Industrial Operations Research I	3
IE 311, Data Analytics	3
Total Hours	15

Third Year Spring Semester

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

Fourth Year Fall Semester

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

Fourth Year Spring Semester

*PSCI 2302, US/TX Govt; Insts & Pols	3
*Literature, Philosophy & Culture	3
IE 444, Systems Engineering	3
IE 486, Service Systems Analysis	3
IE 495, Industrial Systems Design	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.