SUGGESTED FOUR-YEAR SCHEDULE: 2021-22

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
COSC 1436, Intro to Comp Sci & Prog	4
MATH 2320, Differential Equations	3
ENGR 2303, Engineering Mechanics	3
ENGR 2304, Computing for Engineers	3
Total Hours	16

Second Year Spring Semester	
*PSCI 2305, US Government & Politics	3
MATH 2318, Linear Algebra	3
PHYS 2426, University Physics II	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 2306, TX 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	
*Creative Arts	3
*Language, 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 ##

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