

SUGGESTED FOUR-YEAR SCHEDULE: 2018-19

B.S. in Construction Engineering



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

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
ENGR 110, Introduction to Engineering	3
ENGR 1304, Computer-Aided Design	3
*MATH 2413, Calculus I	4
*CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
Total Hours	17

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
*HIST 1301, US History to 1877	3
*Component Area (Signature Course)	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 2415, Calculus III	4
PHYS 2426, University Physics II	4
*HIST 1302, US History from 1865	3
Total Hours	17

Second Year Spring Semester

*PSCI 2301, Princ of US & TX Govt	3
ENGR 2308, Engineering Economic Analysis	3
ENGR 213, Engineering Statistics	3
CONE 221, Building Construction	3
*Literature, Philosophy, & Culture	3
Total Hours	15

Third Year Fall Semester

MATH 2320, Differential Equations	3
CONE 331, Mechanics of Materials	3
CONE 321, Construction Estimating	3
*PSCI 2302, US/TX Govt; Insts & Pols	3
*ECO 2301, Macro Economics or ECO 2302, Micro Economics	3
Total Hours	15

Third Year Spring Semester

CONE 351, Surveying for Construction	3
CONE 332, Structural Analysis & Design	3
CONE 341, Engineering Hydrology & Hydraulics	3
CONE 322, Construction Planning & Scheduling	3
MATH 2318, Linear Algebra	3
Total Hours	15

Fourth Year Fall Semester

CONE 413, Design & Construction of Steel	3
CONE 414, Design & Construction of Concrete	3
ENGR 411, Engineering Management	3
CONE 441, Highway & Heavy Construction	3
CONE 470, Prep for CONE Engr Capstone	3
Total Hours	15

Fourth Year Spring Semester

CONE 423, Contracts & Specifications	3
CONE 424, Construction Acct & Financial Mgt	3
CONE 432, Design & Construction of Found	3
CONE 471, CONE Engineering Capstone	3
*Creative Arts	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.