



The construction science program at Texas A&M University prepares students to become industry leaders. You'll learn to construct high-quality facilities and build relationships that will last.

As an undergraduate, you'll gain access to industry professionals and real experience while you earn your degree. You'll develop skills you can apply to create, renovate, and expand the built environment.

ABOUT THE CONSTRUCTION SCIENCE PROGRAM

Our STEM-coded undergraduate degree combines aspects of business, project planning and construction management. Our interdisciplinary approach brings people, products, and processes together to solve concrete problems.

We have the largest construction science program in the country with about 1,000 students in our undergraduate program. We treat our students like family and have a very strong former student network.

Our four-year program is accredited by the American Council for Construction Education (ACCE) and prepares students to enter the construction industry.

Construction science graduates quickly become valued members of construction teams. Graduates become project engineers, site superintendents, estimators, and project managers. Industry feedback consistently indicates that our graduates are well prepared to face today's industry challenges.

SAME PROGRAM, DIFFERENT CITY

Students can complete their undergraduate degree at the Higher Education Center in McAllen, Texas. Students in McAllen will follow the same curriculum and requirements as students in College Station. Through this satellite location, we are expanding our impact in south Texas.

SECTORS OF INDUSTRY

- Commercial
- Residential
- Industrial
- Heavy Civil

PROGRAM SEMESTER CURRICULUM* | CATALOG 143 (2020-21)

FIRST YEAR | FALL SEMESTER

Listing	Class	Credits
COSC 222	Social Issues in the History of the Construction Environment	3
COSC 153	Intro to the Construction Industry	3
ECON 202 or ECON 203	Principles of Economics	3
HIST 105	American History	3
MATH 140	Mathematics for Business and Social Sciences	3
COSC 184	Construction Safety	1
Semester Credit Hours		16

FIRST YEAR | SPRING SEMESTER

ACCT 209	Survey of Accounting Principles	3
COSC 175	Construction Graphics Communication	3
MATH 142	Business Calculus	3
HIST 106 or HIST 226	American History or Texas History	3
ENGL 104	Composition and Rhetoric	3
COSC 284	Intro to Applied Workplace Ethics, Etiquette, and Communication	1
Semester Credit Hours		16

SECOND YEAR | FALL SEMESTER

ENGL 210	Technical and Business Writing	3
COSC 253	Construction Materials and Methods 1	3
PHYS 201	College Physics	4
POLS 206 or POLS 207	Government/Political Science	3
Life and Physical Sciences Elective ¹		1
Semester Credit Hours		14

SECOND YEAR | SPRING SEMESTER

COSC 275	Estimating 1	3
Creative Arts/ICD ²		3
CHEM 119 or GEOL 101 & GEOL 102	Fundamentals of Chemistry 1 OR Principles of Geology & Principles of Geology Lab	4
POLS 206 or POLS 207	Government/Political Science	3
MGMT 209	Business, Government, and Society ³	3
Semester Credit Hours		16

THIRD YEAR | FALL SEMESTER

COSC 321	Structural Systems 1	3
COSC 325	Mechanical, Electrical, and Plumbing Systems in Construction 1	3
Semester Credit Hours		15

COSC 301	Construction Surveying	3
COSC 375	Estimating 2	3
COSC Elective ⁵		3
Semester Credit Hours		15

THIRD YEAR | SPRING SEMESTER

Listing	Class	Credits
COSC 475	Construction Project Planning	3
COSC 463	Construction Law and Ethics	3
COSC 353	Construction Project Management	3
COSC Elective ⁵		3
Language, Philosophy, and Culture		3
Semester Credit Hours		15

FOURTH YEAR | FALL SEMESTER

COSC 494	Internship ⁶	7
MGMT 309	Survey Management	3
FINC 409	Survey of Finance Principles ⁷	3
Semester Credit Hours		13

FOURTH YEAR | SPRING SEMESTER

COSC 477	Construction Project Controls	3
COSC 465	Advanced Topics in Construction Law	3
COSC Capstone ⁸		3
COSC Technical Elective		3
COSC Elective		3
Semester Credit Hours		15

*Subject to change

¹Select from University Core curriculum - Life and Physical courses (minimum 1 credit hour; e.g. KINE 120).

²Select from ARTS 150, ENDS 101, ARCH 249, ARCH 250, ARCH 350.

³The prerequisite to the courses are U2 classification or higher.

⁴Select from University Core curriculum (icd.tamu.edu) or see approved courses from advisor.

⁵Select from KINE 223 - Introduction to the Science of Health and Fitness, COSC 326 - MEP 2, COSC 421 - Structures 2, COSC 450 - Facility Management Principles & Practices, COSC 459 - Industrial Construction (Prerequisite: COSC 375 - Fall Semester only), COSC 461 II (Prerequisite: COSC 364), COSC 464 - Construction Safety II, COSC 468 - Risk Management in the Built Environment, COSC 474 - Facility Management Internship, COSC 484 - Internship - 10 Week, COSC 489 - Special Topics, COSC 491 - Research.

⁶Internship must be fall or spring semester. No courses should be taken at Texas A&M during an official internship.

⁷300 - 400 level business courses MUST be taken at Texas A&M. A student does not need to be in upper level to take these courses. The prerequisite to these courses is U3 or U4 classification.

⁸Select from COSC 440 - Interdisciplinary Capstone, COSC - 441 Residential Capstone, COSC 442 - Commercial Capstone, COSC 443 - Industrial Capstone (spring semester only), COSC 446 - Specialty Capstone. Capstone MUST be taken last semester. A student's capstone preference is NOT guaranteed.