

CONSTRUCTION SCIENCE - BS

Program Requirements

First Year

Fall		Semester Credit Hours
COSC 153	Introduction to the Construction Industry ¹	3
COSC 222	Social Issues in the History of the Construction Environment ¹	3
ECON 202 or ECON 203	Principles of Economics or Principles of Economics	3
HIST 105	History of the United States	3
MATH 140	Mathematics for Business and Social Sciences	3
Semester Credit Hours		15

Spring

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

Second Year

Fall		
COSC 253	Construction Materials and Methods I ¹	3
ENGL 210	Technical and Professional Writing	3
PHYS 201	College Physics	4
POLS 206	American National Government	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)		1
General Elective		3
Semester Credit Hours		17

Spring

COSC 275	Estimating I ¹	3
MGMT 209	Principles of Business Regulations and Law	3
POLS 207	State and Local Government	3
Select one of the following:		4
CHEM 119	Fundamentals of Chemistry I	
GEOL 101 & GEOL 102	Principles of Geology and Principles of Geology Laboratory	
Select one of the following: ¹		3
ARCH 249	Survey of World Architecture History I	
ARCH 250	Survey of World Architecture History II	
ARCH 350	History and Theory of Modern and Contemporary Architecture	
ARTS 150	Art History Survey II	

ENDS 101	Design Process	
Semester Credit Hours		16

Third Year

Fall

COSC 301	Construction Surveying ¹	2
COSC 325	Mechanical, Electrical and Plumbing Systems in Construction I ¹	3
COSC 353	Construction Project Management ¹	3
COSC 375	Estimating II ¹	3
Directed elective ^{1,2}		3

Semester Credit Hours 14

Spring

COSC 321	Structural Systems I ¹	3
COSC 354	Construction Materials and Methods II ¹	3
COSC 463	Introduction to Construction Law ¹	3
COSC 475	Construction Project Planning ¹	3
Directed elective ^{1,2}		3

Semester Credit Hours 15

Fourth Year

Fall

COSC 494	Internship ^{1,3}	6
MGMT 309	Survey of Management	3
FINC 409	Survey of Finance Principles	3

Semester Credit Hours 12

Spring

COSC 464	Construction Safety II ¹	3
COSC 465	Advanced Topics in Construction Law ¹	3
COSC 477	Construction Project Controls ¹	3
Select one of the following: ^{1,4}		3

COSC 440	Interdisciplinary Capstone	
COSC 441	Residential Capstone	
COSC 442	Commercial Capstone	
COSC 443	Industrial Capstone	
COSC 446	Specialty Capstone	
Directed elective ^{1,2}		3

Semester Credit Hours 15

Total Semester Credit Hours 120

¹ Must make a grade of C or better.

² Select from COSC 303, COSC 322, COSC 326, COSC 421, COSC 450, COSC 459, COSC 461, COSC 468, COSC 489. A maximum of 3 hours of 489 may be used.

³ Internship must be Fall or Spring semester. Only online courses at Texas A&M can be taken during an official internship.

⁴ Capstone must be taken in graduating semester.