

**CONSTRUCTION SCIENCE**

Catalog 142 (2019-2020) Degree Plan

Total Hours: 120

NAME:

UIN:

Foreign Language Met:

**First Year**

First Semester					Second Semester				
Term	Course	Title	Cr	Grade	Term	Course	Title	Cr	Grade
	COSC 175	Construction Graphics and Communications	3			COSC 253	Construction Materials & Methods I	3	
		CD Course (Refer Note: 1)	3			ENGL 104	Composition & Rhetoric	3	
	HIST 105	American History	3			HIST 106	American History	3	
	MATH 140	Math of Business & Social Sciences	3			MATH 142	Business Calculus I- Prereq: MATH 140	3	
	ECON 202	Principles of Economics	3			ACCT 209	Survey of Accounting Principles	3	
							Life/Physical Sci Elective (Refer Note: 5)	1	
<b>Total 15</b>					<b>Total 16</b>				

**Second Year**

First Semester					Second Semester				
Term	Course	Title	Cr	Grade	Term	Course	Title	Cr	Grade
	COSC 254	Construction Materials & Methods II- Prereq: COSC 253	3			COSC 275	Estimating I- Prereq: COSC 175 & COSC 254	3	
		Creative Arts/ICD (Refer Note: 2)	3			COMM 203	Public Speaking	3	
	POLS 206	American National Government	3			POLS 207	State & Local Government	3	
	PHYS 209	College Physics	4				Life/Physical Sci Elective (Refer Note: 4)	4	
	MGMT 201	Business, Government & Society (Refer Note: 3)	3			ENGL 210	Technical & Business Writing (Refer Note: 3)	3	
<b>Total 16</b>					<b>Total 16</b>				

**UPPER LEVEL Admission: Must complete prerequisite courses and apply to move into Upper Level COSC courses**

**Third Year**

First Semester					Second Semester				
Term	Course	Title	Cr	Grade	Term	Course	Title	Cr	Grade
	COSC 353	Construction Project Management	3			MGMT 309	Survey Of Management (Refer Note: 7)	3	
	COSC 375	Estimating II- Prereq: COSC 275	3			COSC 475	Construction Project Plannin- Prereq: COSC 353 & 375	3	
	COSC 364	Construction Safety I	1			COSC 301	Construction Surveying	3	
	COSC 381	Professional Ethics in the Construction Industry	1			COSC 326	Mechanical, Electrical & Plumbing System II- Prereq: COSC 325	3	
	COSC 325	Mechanical, Electrical & Plumbing System I	3			COSC 421	Soil & Structural Analysis- Prereq: COSC 321	3	
	COSC 321	Structure Systems	3			COSC 465	Advanced Topics in Construction Law- Prereq: COSC 463	3	
	COSC 463	Construction Law & Ethics	3						
<b>Total 17</b>					<b>Total 18</b>				

**Fourth Year**

First Semester					Second Semester				
Term	Course	Title	Cr	Grade	Term	Course	Title	Cr	Grade
	COSC 494	Internship- Prereq: COSC 364 & 381(Refer Note: 6)	7			FINC 409	Survey Of Finance (Refer Note: 7)	3	
						COSC 477	Constuction Project Control- Prereq: COSC 353	3	
							Capstone Elective Prereq: COSC 494 (Refer Note: 8)	3	
							Technical Elective (Refer Note: 9)	3	
							Language, Philosophy & Culture (Refer Note: 10)	3	
<b>Total 7</b>					<b>Total 15</b>				

**LAST UPDATED:**
**NOTES:**

1. Select from University Approved course list or see approved courses from Advisor \*\*

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

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

4. Select from the following:

GEOL 101/102 - Principles of Geology

CHEM 101/111 - Fundamentals of Chemistry with Lab

5. Select from the University Core curriculum

\*\*Life and Physical Science courses (minimum 1 credit hour; e.g. KINE 120)

6. Internship must be a Fall or Spring semester.

\*\*No courses can be taken at TAMU while on official internship.

7. 300-400 Level Business Courses **MUST** be taken at TAMU.

You do not need to be in upper level to take these courses.

The prerequisite to these courses are U3 or U4 classification.

\* Summer courses are funded on an annual basis and may not be offered.

\* This flow chart is for use as an advisement aid only.

\*Please see University catalog and your degree evaluation for complete details and requirements.

\*\* ICD = International and Cultural Diversity requirement: Please see approved courses from Advisor

\*\* CD= Cultural Discourse requirement: Please see approved courses from Advisor

8. Select from the following:

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

Your Capstone preference is **NOT** guaranteed

9. Select from the following: Prereq. Upper-Level

COSC 450 - Facility Management Principles & Practices

COSC 459 - Industrial Construction - Prereq. 375 (Fall Semester Only)

COSC 461 - Building Information Modeling System

COSC 464 - Construction Safety II - Prereq. 364

COSC 489 - Special Topics

COSC 491 - Research

10. Select from University Core curriculum or see approved courses from Advisor \*\*

**ALL COLLEGE OF ARCHITECTURE COURSES MUST BE PASSED WITH "C GRADE OR BETTER"**

# CONSTRUCTION SCIENCE

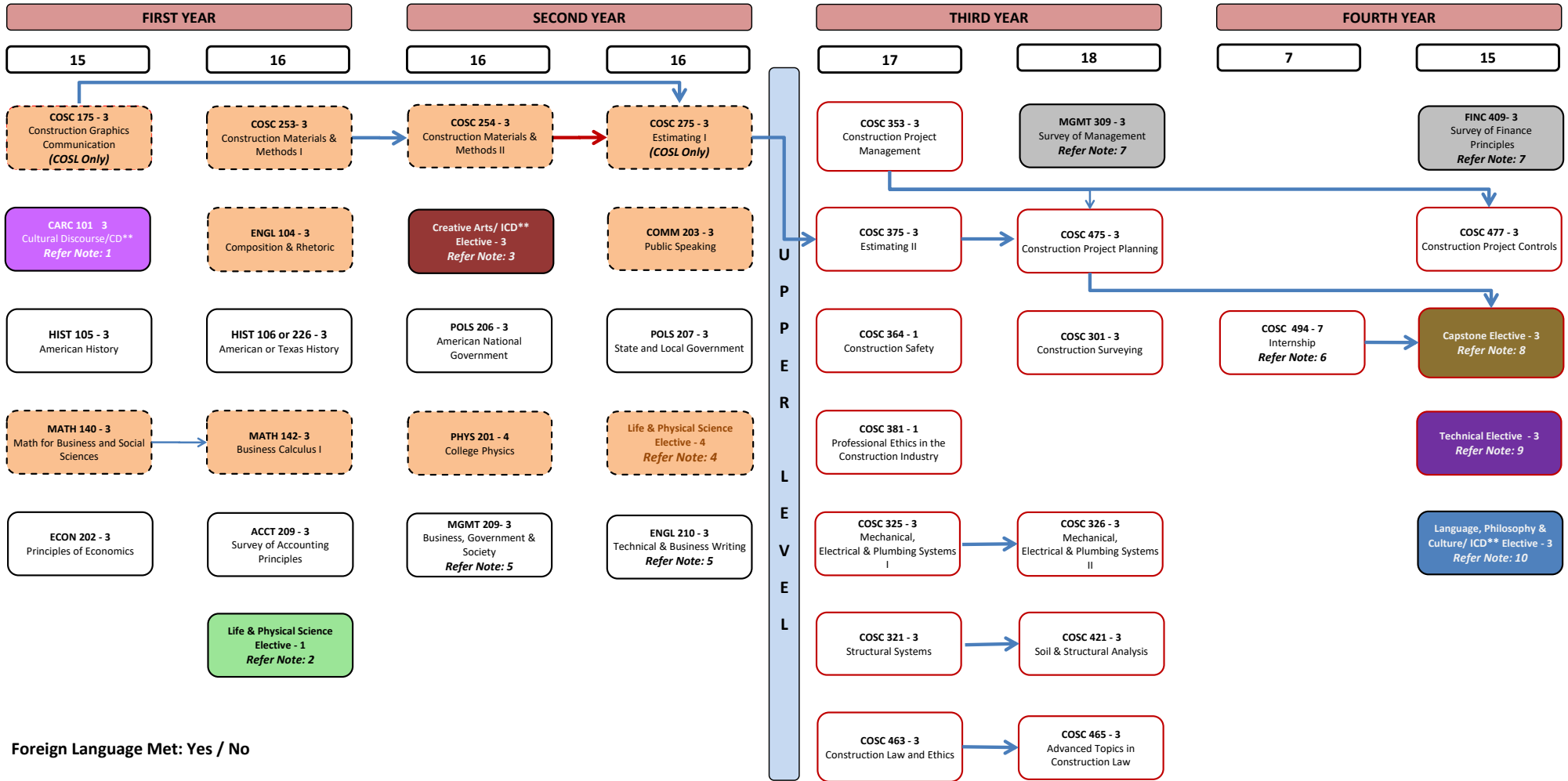
Catalog 142 (2019-2020) Degree Plan  
Total hours: 120

Courses Required to move to upper level



Key  
Upper-Level COSC Majors Only

Prerequisite Completion or Concurrent Enrollment



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Foreign Language Met: Yes / No

**NOTES:**

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- Select from the University Core curriculum
- \*\*Life and Physical Science courses (minimum 1 credit hour; e.g. KINE 120)
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COSC 491 - Research
- Select from University Core curriculum or see approved courses from Advisor \*\*

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