



Bachelor of Science in Construction Engineering Fall 2025

125 Hours

FALL
17 Hours

FRESHMAN YEAR

SPRING
14 Hours

FALL
16 Hours

SOPHOMORE YEAR

SPRING
16 Hours

	MATH 125 Calculus I MA [4]	MATH 126 PH 105	MATH 125	MATH 126 Calculus II MA [4]	AEM 250 AEM 264 GES 255 MATH 227 MATH 238	MATH 126	MATH 227 Calculus III MA [4]	AEM 311	MATH 126	MATH 238 Differential Equations MA [3]	ECE 320
	CH 101 Chemistry I N [4]		MATH 125	PH 105 Physics I w/CAL I N [4]	PH 105 AEM 201		Approved Science Elective N [4] See note below		PH 105	PH 106 Physics II N [4]	
	HI/SB Elective [3]		UA 101 Legends [1]			ENGR 171 MATH 115	CE 260 Surveying [2]		AEM 201	CE 262 Civil & Const Engr Materials [3]	CE 331 CE 340 CE 366
	ENGR 101 The World of Engineering [1]								AEM 250		
	HU/L/FA/WL Elective [3]			ENGR 171 Large Scale Graphics [1]	CE 260	MATH 125 PH 105 ENGR 104	AEM 201 Statics [3]	AEM 250 AEM 264 AEM 311	AEM 201 MATH 126	AEM 250 Mechanics of Materials [3]	CE 331 CE 340
	ENGR 104										
	EN 103 Advanced English Comp FC [3]			ENGR 104 Fundamentals of Engineering [3]		ENGR 104	GES 255 Engineering Statistics [3]		AEM 201 MATH 126	AEM 264 Dynamics [3]	
	MATH 112					MATH 126					

Approved Science Elective [4]

Any core curriculum Natural Science designated course except:
BSC 108, BSC 109, CH 101, CH 104, CH 117, PH 101, PH 102, PH 105, PH 106, PH 115, PH 125, or PH 126.

HU/L/FA/WL = Humanities / Literature / Fine Arts / World Languages
HI/SB = History/Social and Behavioral Sciences
FC = Freshman Composition
W = Writing
MA = Mathematics
USGC = U.S. Global Citizenship

Advising Notes

- ▶ Grade of C- or higher is required in each course that is a prereq to any course needed to meet degree requirements.
- ▶ Honors College participants refer to your DegreeWorks for Honors College requirements and course options.
- ▶ Maximum of 12 hours of 300/400 level courses can be transferred.
- ▶ Students are limited to a maximum of two attempts per course offered by the College, excluding withdrawals.

KEY

Prerequisite Course(s)	Course XXX Title Credits	Downward Depend- encies
Prerequisite w/Concurrency		

This is a coursework planning tool. The UA Undergraduate Catalog contains the official listing of academic information.



Bachelor of Science in Construction Engineering

125 Hours

FALL
16 Hours

JUNIOR YEAR

SPRING
15 Hours

FALL
15 Hours

SENIOR YEAR

SPRING
16 Hours

AEM 250 CE 262	CE 331 Intro to Structural Engineering [3]	CE 402 CE 404	CE 366	CE 418 Engineering Management Spring Only [3]	CE 401	CE 331	CE 433 Reinf Concrete Struct I or CE 434 Struct Steel Design [3]		GES 255 CE 366	CE 464 Safety Engineering Spring Only [3]	
AEM 250 CE 262	CE 340 Geotechnical Engineering W [4]	CE 402 CE 404	CE 366	CE 462 Vertical Construction Methods Spring Only [3]	CE 404	CE 366	CE 461 Horizontal Construction Methods Fall Only [3]	CE 402	See General Elective Notes	W Elective [3]	
CE 262	CE 366 Intro to Construction Engineering [3]	CE 402 CE 404	CE 366	CE 463 Construction Cost Estimating Spring Only [3]		CE 366	CE 468 Construction Scheduling Fall Only [3]	CE 402 CE 404	See General Elective Notes	General Elective [3]	
See Engineering Systems Elective Notes	Engineering Systems Elective [3]	See Engineering Systems Elective Notes	See Engineering Systems Elective Notes	Engineering Systems Elective [3]	See Engineering Systems Elective Notes		USGC Elective [3]		See Capstone Design Construction Engineering Requirements	CE 402 or CE 404 Capstone Design W [4]	
	HI/SB Elective [3]			HI/SB Elective [3]			HU/L/FA/WL Elective [3]			HU/L/FA/WL Elective [3]	

Take FE Exam [highly recommended]

Engineering Systems Electives

Choose two from: ECE 320 Fundamentals of Electrical Engineering; ME 215 Thermodynamics I or ME 216 Thermal Engineering Survey; and AEM 311 Fluid Mechanics.

General Elective

Choose from CCEE, Engineering, Mathematics, Data Science, Natural Science or Business.
See UA Catalog for more detailed information about options.

Capstone Design Construction Engineering Requirements

CE 402 Capstone Design Site: ConE

Prerequisites (C- or greater): CE 340, CE 366 and CE 331

Prerequisites with concurrency: CE 461, 468 + 1 of CE (433 or 434)

CE 404 Capstone Design Building: ConE

Prerequisites (C- or greater): CE 340, CE 366 and CE 331 +1 of (433 or 434)

Prerequisites with concurrency: CE 462 and CE 468

Capstone Design CE 402 & CE 404 must be taken at UA. No transfer credit accepted.