



Bachelor of Science in Civil 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]	CH 102 CE 320	MATH 125	PH 105 Physics I w/CAL I N [4]	PH 105 AEM 201		Approved Science Elective N [4] See note below		CH 101 or PH 105	CH 102 Chemistry II or PH 106 Physics II N [4]	
	HI/SB Elective [3]		UA 101 Legends [1]			ENGR 171 MATH 115	CE 260 Surveying [2]	CE 350	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]	CE 350	AEM 201 MATH 126	AEM 264 Dynamics [3]	CE 378
			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 115, or PH 125.

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 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 Civil Engineering

125 Hours

FALL
16 Hours

JUNIOR YEAR

SPRING
15 Hours

FALL
15 Hours

SENIOR YEAR

SPRING
16 Hours

AEM 201 MATH 227	AEM 311 Fluid Mechanics [3]	CE 378	CH 101 AEM 311	CE 320 Intro to Environmental Engineering [3]	CE 401		USGC Elective [3]				W Elective [3]	
AEM 250 CE 262	CE 331 Intro to Structural Engineering [3]	CE 401	CE 262	CE 366 Intro to Construction Engineering[3]	CE 401	See General Elective Notes	General Elective [3]		See General Elective Notes	General Elective [3]		
AEM 250 CE 262	CE 340 Geotechnical Engineering W [4]	CE 401	AEM 264 AEM 311	CE 378 Water Resources Engineering [3]	CE 401	See CE Design Elective Notes	CE Design Elective [3]		See CE Design Elective Notes	CE Design Elective [3]		
CE 260 GES 255	CE 350 Intro to Transportation Engineering [3]	CE 401	See UA Catalog for requirements	ECE 320 or ME 215/216 Elective [3]			HI/SB Elective [3]		See Capstone Design Civil Engineering Requirements	CE 401 or CE 403 Capstone Design W [4]		
	HI/SB Elective [3]			HU/L/FA/WL Elective [3]			HU/L/FA/WL Elective [3]		See General Elective Notes	General Elective [3]		

Take FE Exam [highly recommended]

CE Design Electives

Choose from CE 424, 425, 433, 434, 435, 436, 437, 438, 439, 442, 444, 451, 459, 461, 462, 471, 475, 476, 480, or 485.

General Electives

Choose from CCEE, Engineering, Mathematics, Data Science, Natural Science or Business.

See UA Catalog for more detailed information about options.

Capstone Design Civil Engineering Requirements

CE 401 Capstone Design Site: CivE

Prerequisites: CE 320, CE 331, CE 340, CE 366 and CE 378

Prerequisites w/concurrency: 1 of CE (424, 451, 458, 461, 475) & 1 of CE (424, 425, 433, 434, 451, 458, 459, 461, 462, 475)

CE 403 Capstone Design Building: CivE

Prerequisites: CE 331, CE 340 and 3 of CE (320, 350, 366, and 378) and 1 of CE (433 or 434)

Prerequisites w/concurrency: 1 of CE (424, 425, 433, 434, 451, 458, 459, 461, 462, 475)

Capstone Design CE 401 & CE 403 must be taken at UA. No transfer credit accepted.