



Bachelor of Science in Civil Engineering

125 Hours

Valid for students in the 26-27 catalog year.

Fall 17 Hours			FRESHMAN YEAR			Spring 16 Hours			Fall 17 Hours			SOPHOMORE YEAR			Spring 16 Hours		
	MATH 125 Calculus I [4]	MATH 126 PH 105	MATH 125	MATH 126 Calculus II [4]	AEM 250 AEM 264 GES 255 MATH 227 MATH 238	MATH 126	MATH 227 Calculus III [4]	AEM 311	MATH 126	MATH 238 Differential Equations [3]							
	Approved Science Elective [4] See note below		MATH 125	PH 105 Physics I w/CAL I [4]	PH 106 AEM 201		CH 101 Chemistry I [4]	CE 320	CH 101 or PH 105	CH 102 or PH 106 [4]							
	HU/L/FA/WL Elective [3]		UA 101 Legends [1]			CE 261	CE 350 Intro to Transportation Engineering [3]		AEM 201	CE 262 Civil Engineering Materials [3]	CE 310 CE 331 CE 340 CE 366						
	ENGR 101 The World of Engineering [1]			CE 261 Geomatics [3]		MATH 125 PH 105	AEM 201 Statics [3]	AEM 250 AEM 264 AEM 311	AEM 201 MATH 126	AEM 250 Mechanics of Materials [3]	CE 331 CE 340						
	HI/SB Elective [3]		ENGR 104 MATH 115 or MATH 113			ENGR104											
	EN 103 English Comp FC [3]			ENGR 104 Fundamentals of Engineering [3]	GES 255	ENGR104	GES 255 Engineering Statistics [3]	CE 350 CE 366	AEM 201 MATH 126	AEM 264 Dynamics [3]	CE 378						
	MATH 112					MATH 126											

Approved Science Elective 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 PH 125 PH 126	Built by Bama Core FC - 3 or 6 credit hours depending on high school GPA HI/SB - 9 credit hours with at least 3 in HI HU/L/FA/WL - 9 credit hours with at least 3 in L USGC - 3 credit hours; must be taken at UA W - 3 credit hours; must be taken at UA	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.
<i>Courses must carry the appropriate core designation at the time they are taken. Designations are not applied retroactively. Always check the course catalog for the current core class list.</i>		

KEY		
Prerequisites	Course XXX Title Credits	Downward Depend- encies
Prerequisites w/ Concurrency		

Use this flowchart to help plan your coursework, but always refer to the UA Undergraduate Catalog for official academic requirements. This flowchart does not override curriculum requirements.



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Fall 16 Hours			JUNIOR YEAR			Spring 15 Hours			Fall 15 Hours			SENIOR YEAR			Spring 13 Hours		
AEM 201 MATH 227	AEM 311 Fluid Mechanics [3]		CE 262	CE 310 Engineering Citizenship W/USGC [3]	Capstone Design	AEM 264	CE 378 Water Resources Engineering [3]		See General Elective Notes	General Elective [3]							
AEM 250 CE 262	CE 331 Intro to Structural Engineering [3]	Capstone Design	CH 101	CE 320 Intro to Environmental Engineering [3]	Capstone Design	See Design Elective Notes	Design Elective [3]	Capstone Design	See General Elective Notes	General Elective [3]							
CE 262	CE 340 Geotechnical Engineering W [4]	Capstone Design	See Design Elective Notes	Design Elective [3]	Capstone Design	See General Elective Notes	General Elective [3]		See General Elective Notes	General Elective [3]							
	CE 366 Intro to Construction Engineering [3]		MATH 126 PH 105	ME 215 Thermodynamics [3]			HU/L/FA/WL Elective [3]		CE 310 CE 340 CE 320 Design CE 331 Design No Concurrency Allowed	CE 401/403 Capstone Design [4]							
CE 262 GES 255			Cannot take ME 216														
	HI/SB Elective [3]			HU/L/FA/WL Elective [3]			HI/SB Elective [3]		Strongly Encouraged To Take FE Exam								

General Electives

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

CE Design Electives (Site)

Choose from CE 424, CE 425, CE 451, CE 459, CE 471, CE 475, CE 476.

CE Design Electives (Building)

Choose from CE 425, CE 433, CE 434, CE 436, CE 437, CE 438, CE 444, and CE 462.

Capstone Design Requirements

Pre-req: CE 310, CE 320, CE 331, CE 340 and two CE Design Electives (Site or Build). Prerequisites cannot be taken concurrently with CE 401/403. CE 401/403 must be taken at UA. No transfer credit accepted.

Beyond Graduation

Graduating in Civil Engineering places you at the forefront of designing and building the infrastructure that shapes everyday life. As a civil engineering graduate, you will plan, design, and manage projects that create safe, sustainable, and resilient systems for transportation, water, energy, and the built environment. Your career paths may include structural, transportation, geotechnical, environmental, construction, and materials engineering, as well as public works and infrastructure planning. Whether you work in consulting firms, construction companies, government agencies, or research and technology sectors, you will play a vital role in creating infrastructure that supports communities, drives economic growth, and improves quality of life for generations.