



Bachelor of Science in Architectural Engineering

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 ECE 320	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 106 AEM 201		Approved Science Elective N [4] See note below		PH 105	PH 106 Physics II N [4]	ECE 320
	HU/L/FA/WL 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 382
			ENGR 101 The World of Engineering [1]						AEM 250		
	HI/SB 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]	GES 255	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	Downward Depend- encies
Prerequisite w/Concurrency	Credits	

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



Bachelor of Science in Architectural Engineering

125 Hours

FALL
15 Hours

JUNIOR YEAR

SPRING
16 Hours

FALL
15 Hours

SENIOR YEAR

SPRING
16 Hours

AEM 201 MATH 227	AEM 311 Fluid Mechanics [3]	ME 407	AEM 250 CE 262	CE 340 Geotechnical Engineering W [4]	CE 406	CE 262	CE 366* Intro. to Const. Engineering [3]			W Elective [3]	
AEM 250 CE 262	CE 331 Intro to Structural Engineering [3]	CE 406 CE 433 CE 434 CE 462	CE 331	CE 434 Structural Steel Design I Spring Only [3]	CE 406	CE 331	CE 433 Reinforced Concrete Structures I Fall Only [3]		See General Elective Notes	General Elective [3]	
	ARH 252/253 Survey of Art [3]		MATH 126	ME 216 Thermal Engineering Survey [3]	CE 382	AEM 311 ME 216	ME 407 Heating, Ventilation, & Air Conditioning [3]		CE 336	CE 462 Vertical Construction Methods Spring Only [3]	
	ECE 320 Fundamentals of Electrical Engr Fall Only [3]	ECE 350	ECE 320	ECE 350 Electric Power & Machines Spring Only [3]		ME 216 CE 262	CE 382 Architectural Engineering Fundamentals [3]		CE 331 CE 340 CE 366 CE 433 CE 434 CE 462	CE 406 Capstone Design: Building W [4]	
	HI/SB Elective [3]			HI/SB Elective [3]			USGC Elective [3]			HU/L/FA/WL Elective [3]	

Take FE Exam [highly recommended]

General Electives

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

★ This is listed as a General Elective option. However, since CE 366 is a prerequisite to CE 406, it is highly encouraged to take CE 366 in this spot.

CE 406 Capstone Design Building: ArchE

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

Prerequisites with concurrency (can be taken concurrently): CE 433, CE 434, and CE 462.

Capstone Design CE 406 must be taken at UA. No transfer credit accepted.