



# Bachelor of Science in Architectural Engineering

124 Hours

Fall 15 Hours			FRESHMAN YEAR Spring 15 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 ME 215/216	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 106 AEM 201		Approved Natural Science N (4)	See Natural Science Notes	PH 105	PH 106 Physics II N (4)	See Natural Science Notes
	ENGR 103 Engineering Foundations (3)	AEM 201 ENGR 171	ENGR 103	ENGR 171 Large Scale Graphics (1)	CE 260	ENGR 171 MATH 115	CE 260 Surveying (2)		AEM 201 AEM 250	CE 262 Civil & Const Engr Materials (3)	CE 331 CE 340 CE 366
	CE 121* Intro to CCEE (1)			HI/SB Elective (3)		ENGR 103 MATH 125 PH 105	AEM 201 Statics (3)	AEM 250 AEM 264 AEM 311 CE 262	AEM 201 MATH 126	AEM 250 Mechanics of Materials (3)	CE 331 CE 340
	EN 101 English Comp I FC (3)	EN 102	EN 101	EN 102 English Comp II FC (3)		ENGR 103 MATH 126	GES 255 Engineering Statistics (3)		AEM 201 MATH 126	AEM 264 Dynamics (3)	

Natural Science (N)	Advising Notes	
Required: CH 101 or 117, AND PH 105 or 125, AND PH 106 or 126 Natural Science (N) Elective BSC 114/115 or 118, OR CH 102 or CH 118, OR GEO 101, 102, 104 or 105, OR GY 101, 102, 202 or 207	HU/L/FA = Humanities/Literature/Fine Arts • Foreign language is recommended as HU HI/SB = History/Social and Behavioral Science • EC 110 is recommended as SB FC = Freshman Composition W = Writing MA = Mathematics C = Computer Science *ENGR 111 or any engineering major intro course will meet requirements of CE 121.	• A 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. • A max of 12 hours of 300/400 level courses can be transferred. • Students are limited to a max of two attempts per course offered by the College, excluding withdrawals.

KEY		
Prerequisite Course(s)	Course ### Title (Credits)	Downward Depend- encies
Corequisite Course(s)		

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



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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		Senior Plan of Study Elective (3)		CE 366	CE 462 Vertical Construction Methods <b>Spring Only</b> (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 <b>Spring Only</b> (3)	CE 406	CE 331	CE 433 Reinforced Concrete Structures I <b>Fall Only</b> (3)	CE 406		Senior Plan of Study Elective (3)							
CE 262	CE 366 Intro to Construction Engineering (3)	CE 406 CE 462	MATH 126	ME 216 Thermal Engineering Survey <b>Spring Only</b> (3)	ME 407	AEM 311 ME 216	ME 407 Heating Ventilation & Air Conditioning <b>Fall Only</b> (3)			Senior Plan of Study Elective (3)							
MATH 227 MATH 238 PH 106	ECE 320 Fundamentals of Electrical Engr <b>Fall Only</b> (3)	ECE 350	ECE 225 or 320	ECE 350 Electric Power & Machines <b>Spring Only</b> (3)			COM 123 HU/L/FA (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)			ARH 252 Survey of ART I or ARH 253 Survey of Art II (3)			HU/L/FA Elective (3)							

*Take FE Exam (suggested)*

<p><b>Senior Plan of Study Electives</b> See department list for electives.</p>	<p><b>CE 406 Capstone Design Building: ArchE</b> 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.</p>
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