

Bachelor of Science in Architectural Engineering

FRESHMAN YEAR			SOPHOMORE YEAR		
Fall 15 Hours	Spring 15 Hours	Fall 16 Hours	Spring 16 Hours	Fall 16 Hours	Spring 16 Hours
MATH 125 Calculus I MA (4)	MATH 126 PH 105				
CH 100 or 101 Chemistry I N (4)		Approved Natural Science N (4)	See Natural Science Notes		
ENGR 103 Engineering Foundations (3)	AEM 201 ENGR 171	ENGR 171 Large Scale Graphics (1)	CE 260 Surveying (2)	CE 262 Civil & Const Engr Materials (3)	
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
EN 101 English Comp I FC (3)	EN 102	EN 101	ENGR 103 MATH 126	GES 255 Engineering Statistics (3)	AEM 201 MATH 126
					AEM 250 Mechanics of Materials (3)
					AEM 264 Dynamics (3)

Natural Science (N)	Advising Notes
Required: CH 100 or 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, 201 or 207	<p>HU/L/FA = Humanities/Literature/Fine Arts</p> <ul style="list-style-type: none"> Foreign language is recommended as HU <p>HI/SB = History/Social and Behavioral Science</p> <ul style="list-style-type: none"> EC 110 is recommended as SB <p>FC = Freshman Composition W = Writing</p> <p>MA = Mathematics C = Computer Science</p> <p>*ENGR 111 or any engineering major intro course will meet requirements of CE 121.</p> <ul style="list-style-type: none"> 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 three 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 Spring Only (3)		CE 331					
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)	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 Spring Only (3)	ME 407	AEM 311 ME 216	ME 407 Heating Ventilation & Air Conditioning Fall Only (3)			Senior Plan of Study Elective (3)							
MATH 227 MATH 238 PH 106	ECE 320 Fundamentals of Electrical Engr Fall Only (3)	ECE 350	ECE 225 or 320	ECE 350 Electric Power & Machines Spring Only (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)							

<p>Senior Plan of Study Electives See department list for electives.</p>	<p>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.</p>
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