

All ARCE Majors must receive a C- or better in ARCE Courses that are prerequisites for other ARCE courses.

 3 ARCH 217 is offered Fall only; ARCH 218 is offered Winter only; ARCH 219 is offered Spring only.

² Advanced Structural Electives: Select 6-7 units from: ARCE 403, 414, 423, 445, 446, 447, 448, 449, 475, and 501.

¹ Course can be taken previously or concurrently.

B.S. in Architectural Engineering

Suggested 4-Year Academic Flowchart

Design and Would Communication 1.2 Commu		FRESHMAN		SOPHOMORE			JUNIOR			SENIOR		
Structure Stru	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Consumeration Consumeratio	Design and Visual immunication 1.1 ARCH 131 (4) Concurrent: EDES 101)	Communication 1.2 ARCH 132 (4)	Communication 1.3 ARCH 133 (4)	ARCE 211 (3) (PHYS 141, MATH	ARCE 212 (3) (ARCE 211 with min	ARCE 227 (2) (ARCE 212 or ARCE	Analysis ARCE 302 (4) (ARCE 223, 227 with min C	Structures ARCE 306 (3) (ARCE 302 w/min C	Structures ARCE 412 (3) (ARCE 225 W/min C- or ME 212, MATH 244, ARCE 306 W/min C	and Design ARCE 483 (4) (ARCE 372, 412	Design and Constructability Lab ARCE 452 (3) (ARCE 257, 444, and ARCE 372 or 451	Advanced Structural Elective (3-4) ²
Scale Calculus Marth 142 (4) Marth 142 (4) Marth 142 (4) Marth 143 (4) Marth 1	Introduction to Architecture and Environmental Design EDES 101 (2)	ARCE 106 (2) OR		Construction Management CM 115 (6) (ARCE 106 or CM 113; MATH 141; and PHYS	Choose one: ARCE 225 (3)	Computing Analysis I ARCE 351 (1) (ARCE 212 or 222 w/min C Concur:	Computing Analysis II ARCE 352 (1)	Computing Analysis III ARCE 353 (1) (ARCE 352 w/min C	ARCE 354 (1) (MATH 244, ARCE 353 W/min C Concur:	Concrete Laboratory ARCE 444 (3) (ARCE 302 w/min C-,	Capstone Project	Introduction Engineering Surveying BRAE 237 ((MATH 119 c equivalent)
Structural Str	Calculus I MATH 141 (4) *	MATH 142 (4) (MATH 141 w/min C-)	MATH 143 (4) (MATH 142 w/min C-)	MATH 241 (4)	for Building Design ARCE 257 (2)	Structural Members ARCE 223 (3) (ARCE 212 or 222 w/min C Concurrent: ARCE	Systems Laboratory ARCE 371 (3) (ARCE 223, ARCE 227 w/min C Corequisite: ARCE	ARCE 303 (3) (ARCE 223 w/min C	ARCE 372 (3) (ARCE 257, 302, 303, 352, and 371	Structural Elective	STAT 312 (4) (MATH 142) OR STAT 321 (4) (MATH 142)	GE (4) **
Can be taken anytime during Freshman Year MATH 244 (4)		PHYS 141 (4) (MATH 141 w/min C-, MATH 142 or 182)	II PHYS 132 (4) (PHYS 131 or 141 or		Engineering Students CSC 231 (2) (MATH 142; PHYS	Structural Members Laboratory ARCE 224 (1) (Concurrent: ARCE	ARCE 421 (3) (ARCE 212 or 222 w/min C-, GEOL	ARCE 422 (3)	ARCE 304 (3)	Structures Design and Construct. Lab ARCE 451 (3) (ARCE 257, 304, 305,	ME 341 (3) (ARCE 225 or ME	GE (4) **
ARCH 217 or 218 or 219 or 260 (4)3 [C3] GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) ** GE (4) **	Can be tak	ken anytime during Fresh	man Year (4)** [A2]		MATH 244 (4)	Engineering I CHEM 124 (4) * [B3 & B4]] Physical Geology GEOL 201 (3)	III PHYS 133 (4) (PHYS 131 or HNRS 131 or PHYS 141; MATH 142. Recom:	Theory EE 201 (3) (MATH 244, PHYS	ARCE 305 (2)	Alternatives CM 232 (3) (MATH 142 or 182) OR Engineering Econ IME 314 (3)	GE (4) **	GE (4) **
Reasoning, Argumentation, & Writing [A3] COMS 126; COMS/ENGL 145; ENGL 149; or PHIL 126 (4)** (Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years. Graduation Writing Requirement GWR* (Can be taken anytime after 90 earned units)					7 or 218 or 219 or [C3] GE (4) *		GE (4) **	GE (4) **	ME 302 (3) (PHYS 132; ME 212			
14 18 16 17 18 18 19 17 15 16 18 1		COMS 126; COMS/ENGL 145; ENGL (Completion of GE A1		ation, & Writing [A3] 148; ENGL 149; or PHIL 126 (4)** 1 with a C- or better)								
	14	18	16	17	18	18	19	17	15	16	18	17-18
TOTAL: 20	otes:										TOTAL:	203-204
online catalog for GE course selection, USCP and Graduation Writing Requirement (GWR).	efer to current cata One course from ea er to online catalog	alog for prerequisites. ach of the following GE ar g for GE course selection,	reas must be complet , USCP and Graduatio	ed: A1, A2, A3, B2, C1 n Writing Requirement	, C2, C4, D1, D2, D3, a t (GWR).		aken only after Junior s	standing is reached (90	units).	Course Title Course # (Units)		Major (76-77
Support requirement can be satisfied by some (but not all) courses within GE categories: C4, D1, D3, or D4.	.r requirement car			unin de categories: C4	, D1, D3, Of D4.							Support (83)

^{13-15.20}ARCEBSU