

Updated 2/29/2016

FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter
<i>Design & Visual Communication 1.1</i> ARCH 131 (4)	<i>Design & Visual Communication 1.2</i> ARCH 132 (4) (ARCH 131)	<i>Design & Visual Communication 1.3</i> ARCH 133 (4) (ARCH 132)	<i>Structures I</i> ARCE 211 (3) (PHYS 141, MATH 142)	<i>Structures II</i> ARCE 212 (3) (ARCE 211 w/min C-)	<i>Structures III</i> ARCE 227 (2) (ARCE 212 or ARCE 222 w/min C-)	<i>Structural Analysis</i> ARCE 302 (3) (ARCE 223, 227 w/min C-; Concur: ARCE 352)	<i>Matrix Analysis of Structures</i> ARCE 306 (3) (ARCE 302 w/min C-; Concur: ARCE 353)
<i>Introduction to Building Systems</i> ARCE 106 (2) * [Add'l Area B]	<i>General Physics IA</i> PHYS 141 (4) (MATH 141 w/min C-; concur: MATH 142 or 182) [Add'l Area B]	<i>General Physics II</i> PHYS 132 (4) (PHYS 131 or 141 or HNRS 131)	<i>Fundamentals of Construction Management</i> CM 115 (6) (ARCE 106 or CM 113; MATH 141; & PHYS 141)	<i>Dynamics Choose one:</i> ARCE 225 (3) or ME 212 (3) * [B1]	<i>Mechanics of Structural Members</i> ARCE 223 (3) (ARCE 212 or 222 w/min C-; Concurrent ARCE 224)	<i>Structural Computing Analysis</i> ARCE 352 (1) (CSC 231 or 234; Concurrent ARCE 302)	<i>Matrix Structural Computing Analysis</i> ARCE 353 (1) (ARCE 352 w/min C-; Concur: ARCE 306)
<i>Calculus I</i> MATH 141 (4) * [B1]	<i>Calculus II</i> MATH 142 (4) (MATH 141 w/min C-) [B1]	<i>Calculus III</i> MATH 143 (4) (MATH 142 w/min C-) [Add'l Area B]	<i>Calculus IV</i> MATH 241 (4) (MATH 143)	<i>Structural CAD for Building Design</i> ARCE 257 (2) (ARCH 133, CM 115)	<i>Mechanics Of Structural Members Laboratory</i> ARCE 224 (1) (Concurrent: ARCE 223)	<i>Structural Systems Laboratory</i> ARCE 371 (3) (ARCE 223, ARCE 227 w/min C-; Corequisite: ARCE 302)	<i>Steel Design I</i> ARCE 303 (3) (ARCE 223 w/min C-; Coreq: ARCE 371)
<i>Expository Writing</i> ENGL 133 or 134 (4)** [A1] Can be taken anytime during Freshman Year				<i>Programming for Engineering Students</i> CSC 231 (2) (MATH 142; PHYS 121 or 131 or 141)	<i>General Chemistry for Physical Science and Engineering I</i> CHEM 124 (4) * [B3 & B4] [B3 & B4]	<i>Soil Mechanics</i> ARCE 421 (3) (ARCE 212 or 222 w/min C-; GEOL 201)	<i>Foundation Design</i> ARCE 422 (3) (ARCE 421 w/min C-)
<i>Oral Communication</i> COMS 101 or 102 (4)** [A2] Can be taken anytime during Freshman Year				<i>Linear Analysis I</i> MATH 244 (4) (MATH 143)	<i>Physical Geology</i> GEOL 201 (3) (MATH 119)	<i>General Physics III</i> PHYS 133 (4) (PHYS 131 or HNRS 131 or PHYS 141; MATH 142; Recom: MATH 241)	<i>Electric Circuit Theory</i> EE 201 (3) (MATH 244, PHYS 133)
				<i>History of World Architecture or Structures</i> ARCH 217 or 218 or 219 or ARCE 260 (4)¹ [C3]		<i>GE (4) **</i>	<i>Masonry Design</i> ARCE 305 (2) (ARCE 371 w/min C-)
				<i>GE (4) **</i>		<i>GE (4) **</i>	<i>Thermodynamics I</i> ME 302 (3) (PHYS 132; ME 212 or CHEM 128)
				<i>GE (4) **</i>			<i>Graduation Writing Requirement</i> GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)
14	16	16	17	18	17	18	17
15						17	15
16						18	14
						TOTAL: 196	

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

**One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, C2, C4, D1, D2, D3, and D4. C4 should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, USCP and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C4, D1, D3, or D4.

Quarterly advisor meetings are required prior to registration.

A corequisite course can be taken previously or concurrently. Concurrent courses must be taken together.

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

¹ ARCH 217 is offered Fall only; ARCH 218 is offered Winter only; ARCH 219 is offered Spring only.

Legend:

Course Title	
Course # (Units)	
(Prerequisite)	