

ARENBlockDiagram– Fall2021

8 SPR	14	<u>Technical Elective</u> βcr		<u>Technical Elective</u> βcr Fromlist on pg. 2	AREN#3192cr ARENDesign2 (AREN#318, 4080) #	<u>FreeElective</u> βcr	<u>HSSElective</u> βcr Upperdivision
7 FALL	17	<u>Technical Elective</u> βcr	AREN#570βcr ElectricalSystems for Buildings (AREN#040) #	<u>Technical Elective</u> βcr Fromlist on pg. 2 #	AREN#0802cr Arch.Studio2 (AREN#080,co r req AREN#318) #	<u>HSSElective</u> βcr	<u>CollegeApproved</u> <u>Writing</u> <u>Course</u> βcr***
6 SPR	15		AREN#040βcr ElectricalCircuits (APPM2360, PHYS 120) #	AREN#110βcr HVACSystem Design (AREN#010) #	AREN#506βcr Pre-Construction Estimating& Scheduling (CVEN#246)	StructuralDesignβcr CVEN#545or 455** (CVEN#525)	ARCH#214βcr Historyand Theoryof Arch.2 #
5 FALL	15		AREN#550βcr Illumination2 (AREN#540) #	AREN#010βcr EnergyEfficient Buildings (AREN#050, 2110,2120) #	CVEN#246βcr Introductionto Construction (Juniorstanding)	CVEN#525βcr StructuralAnalysis (CVEN#161)	<u>CollegeApproved</u> <u>Writing</u> <u>Course</u> βcr***
4 SPR	17	APPM2360#cr Introductionto LinearAlgebra& Diff. Equations (APPM1360)	AREN#540βcr Illumination1 (CSC1200, APPM2350) #	AREN#120βcr FluidMech.& HeatTransfer (AREN#110,co reqs. APPM2350,2360) #	AREN#080βcr Arch.Design Studio1 (AREN#027) #	CVEN#161βcr Mechanicsof Materials1 (CVEN#121,co r req. APPM2360)	CVEN#017#cr Exceland Matlab Primer (CSC1200) #
3 FALL	17	APPM2350#cr Calculus for Engineers (APPM1360)	PHYS 120#cr Gen.Physics2 (PHYS 110,co r req. APPM1360)	AREN#110βcr Thermodynamics (PHYS 110,co r req. APPM1360)	AREN#050βcr Bldg.Materials & Systems (Soph.standing) #	CVEN#121βcr Analytical Mechanics1 (PHYS 110,co r req. APPM2350*)	
2 SPR	17	APPM1360#cr Calculus					

Course is offered only once per year (FALL or SPRING as shown).
 () Prerequisite and co-requisite requirements for course listed.
 * Corequisite APPM2350; OR co-requisite APPM1360 and prerequisite GEEN830 Engineering Analysis & Problem Solving.
 ** CVEN#545 Steel Design offered SPRING only; CVEN#555 Reinforced Concrete Design offered FALL only.
 *** College approved writing courses: ENES 010 (first year students only); or ENLP310, ENES 100, WRTG3030, WRTG3035, or PHYS 3050(jr).

Fall2021/Updated July2022

ARELECTIVESANDOPPORTUNITIESORSPECIALIZATION

At least two technical electives must be selected from this list, from any emphasis area(s).