

AREN Block Diagram – Fall 2022

Sem.	CR					
8 SPR	14	<u>Technical Elective 3cr</u> From AREN specialization list on page 2	<u>Technical Elective 3cr</u>	<u>Free Elective 3cr</u>	AREN 4319 2cr AREN Design 2 (AREN 4318) #	<u>HSS Elective 3cr</u> Upper division
7 FALL	17	<u>Technical Elective 3cr</u> From AREN specialization list on page 2	AREN 4570 3cr Electrical Systems for Buildings (AREN 3040) #	<u>Technical Elective 3cr</u>	AREN 4318 5cr AREN Design 1 (See notes***) #	<u>HSS Elective 3cr</u>

6 SPR	15		AREN 3040 3cr Electrical Circuits (APPM 2360, PHYS 1120) #	AREN 4110 3cr HVAC System Design (AREN 3010) #	AREN 4506 3cr Pre-Engineered Buildings (AREN 3540) #	AREN 3010 3cr Energy Efficient Buildings (AREN 2050, 2110, 2120) #	CVEN 3246 3cr Introduction to Construction (Junior standing)
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						<u>Writing Elective 3cr**</u>	
4 SPR	17	APPM 2360 4cr Introduction to Linear Algebra & Diff. Equations (APPM 1360)	AREN 3540 3cr Illumination 1 (CSCI 1200, APPM 2350) #	AREN 2120 3cr Fluid Mech. & Heat Transfer (AREN 2110, pre/co reqs APPM 2350, 2360) #	AREN 3080 3cr Arch. Design Studio 1 (AREN 1027) #	CVEN 3161 3cr Mechanics of Materials 1 (CVEN 2121, pre/co req APPM 2360)	CVEN 2017 1cr Excel and Matlab Primer (CSCI 1200) #

3 FALL	17	APPM 2350 4cr Calculus 3 for Engineers
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elective in Term 1 or 2 with the writing course in Term 5.

*** Prerequisites for AREN 4318: AREN 3080, AREN 4110, AREN 4506, AREN 4550, and CVEN 4545 or (co req) 4555.
Co requisite: AREN 4570.

**** Students can choose either the chemistry lab CHEM 1114 in Term 1 or physics lab PHYS 1140 in Term 3.

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