

ARCHITECTURAL ENGINEERING
(Undergraduate Curriculum)

FIRST YEAR

CAAE Fundamentals of CAAE	2	CAAE 102 Computer Appl. In CAAE	2
CAAE Graphics in CAAE	2	Calculus II	4
MATH 131 Calculus I	4	ENGL 101 Ideas & Expr. II	3
ENGL 100 Ideas & Expr. I	3	PHYS 241 Gen. Physics I	3
Health/ PE Elective	2	PHYS 251 Gen. Physics Lab	1
African-American Elective	3	Global Studies Elective	3
GEEN 110 Colloquium	<u>0</u>	GEEN 120 Colloquium	<u>0</u>
	16		16

SECOND YEAR

MATH 231 Calculus III	4	MATH 431 Differential Equat.	3
CAAE 331 Engin Mech -Statics	3	CAAE 334 Solid Mechanics I	3
PHYS 242 Gen. Physics II	3	CHEM 106 Gen. Chemistry I	3
PHYS 252 Physics Lab II	1	CHEM 116 Gen. Chemistry Lab	1
AREN 231 Mat. Meth. of Constr.	3	AREN 221 Plumbing & Fire Prot.	3
AREN 215 Computer Aided Bldg	<u>2</u>	CAAE 331 Mechanics II - Dynamics	2
		AREN 112 Architectural History	3
		CAAE 202 Soph Colloquium	<u>0</u>
	16		18

THIRD YEAR

AREN 382 Arch. Design I	3	AREN 483 Arch. Design II	3
CAAE 325 Structural Analysis	3	CAAE 530 Structural Design	3
AREN 326 Str. Engr. Lab	1	AREN 361 HVAC Principles	2
AREN 442 Fund. of Illum. Engr.	2	AREN 363 HVAC Principles Lab	1
AREN 444 Illumination Lab	1	AREN 445 Elect Sys for Bldgs	2
CAAE 362 Eng Fluids & Hydraulics	3	AREN 447 Elec Sys for Bldgs Lab	1
ELEN 440 Electrical Circuits	<u>3</u>	INEN 260 Engr. Economics	2
		MEEN 441 Thermodynamics	3
	16	CAAE 302 Junior Colloquium	<u>0</u>
			17

FOURTH YEAR

AREN 585 Senior Project I	3	AREN 586 Senior Project II	3
CAAE 500 Gen Engin Topics Review	1	AREN 550 Engin Project Management	3
AREN 462 HVAC Systems	2	Humanities Elective	3
AREN 464 HVAC Systems Lab	1	Math 224 Statistics	3
AREN 415 CAD Applications in AREN	1	AREN Option Block	<u>3</u>
CAAE 340 Num Meth or Math/Science	3		15
AREN Option Block	<u>3</u>		
	14		

Total 128