## ARCHITECTURAL ENGINEERING MAJOR - Focus on the Structural Area Program Tracking Sheet Based on AY 2013-14 Degree Requirements and Course Offerings

Name:			Class Year:				
Advisor:			2 <sup>nd</sup> N	Иај	or:		
NOTES: Minimum total academic	credit = 15 1/3 units		С	HF	WISTRY (1/3 unit) Course with prefix: CH		
	8 units must be completed at WF	1		5	CH 1010 (Chem 1) or 1020 (Chem 2)	1/3	
HUMANITIES AND ARTS REQUIR	·		М	ΑТ	H AND BASIC SCIENCE ELECTIVES (2/3 unit)	1 1	
Depth Component					ding 1/3 unit in Thermodynamics (Note 1)		
Students must complete at least three thematically-related courses prior to			26			1/3	
the culminating Inquiry Seminar or		rea. At	27	7		1/3	
least one of the three courses shou Course	Term Grade	Units					
1	Tellii Giade	1/3	Λ.	D۲	HITECTURAL ENGINEERING COMPLEMENTS (	1 unit\	
2		1/3	<u>A</u>	Rυ	HITECTURAL ENGINEERING COMPLEMENTS (	<u>i unit)</u>	
3		1/3	28	3	AR 2114 Mod Arch in the American Era	1/3	
4 HU 3900 or HU 3910		1/3	29		AREN 3001 Arch Graphics and Design	1/3	
Breadth Component	L	<u>'                                    </u>	30	_	AREN 3002 Architectural Design	1/3	
Students must take at least one co	urse outside the grouping in which	they	<u> </u>		· ·		
complete their depth component. To							
the following manner.	, ,		El	NG	NEERING SCIENCE AND DESIGN REQUIREME	NT (16/3 units)	
i. art/art history, drama/theatre, an	d music (AR, EN/TH, MU);				s 2, 3)	<del></del>	
ii. foreign languages (SP, GN, AB,			`		, ,		
iii. literature and writing rhetoric (EN			G	ΕN	ERAL ARCHITECTUAL ENGINEERING (2/3 unit)		
iv. history and international studies			3′	1	AREN 2023 Intro to Arch Eng Systems	1/3	
v. philosophy and religion (PY, RE)			32		ES 3004 Fluids Mechanics	1/3	
Exception: May take all six courses	in a foreign language	1.0	C	ON	STRUCTION/CONSTRUCTION MANAGEMENT (	(2/3 unit)	
5		1/3			t two of the following: CE 3020, 3022, 3025		
Humanities Elective		1/2	33			1/3	
•		1/3	34			1/3	
PHYSICAL EDUCATION (4 PE cla	isses – 1/3 unit)	1/12			DING MECHANICAL SYSTEMS (2/3 unit)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		1/12			AREN 3003 Principles of HVAC Design	1/3	
7		1/12	36		ES 3003 or FPE 3080	1/3	
		1/12			DING STRUCTURAL ENGINEERING (1 unit)	4	
SOCIAL SCIENCE (2/3 unit) ECON	J ENIV COV DOV OD SOC SO		37		et three of the following: CE 2000, 2001, 2002, 304		
and ID2050	1, ENV, GOV, 1 31, 3D, 3OC, 30	, 010	38			1/3	
8		1/3	39			1/3	
9		1/3			DING ELECTRICAL SYSTEMS (2/3 unit)		
THE INTERACTIVE QUALIFYING PROJECT (1 unit)				_	ECE 2010 Intro to ECE	1/3	
10		1/3	40		AREN 3004 Building Elec and Light Sys	1/3	
1		1/3			GN FOCUS ON THE STRUCTUAL AREA (2/3 un		
12		1/3			et two of the following: CE 3006, 3008, 3010, 4017		
FREE ELECTIVES (1 unit)		1,0	42		3. 410 10110Willing. 32 0000, 0000, 0010, 4011	1/3	
13		1/3	43			1/3	
14		1/3			OR QUALIFYING PROJECT (1 unit)	1 170	
15		1/3		lote	• ,		
10		1/0	44	_	·	1/3	
MATHEMATICS AND BASIC SCIE	ENCES (4 units)		45			1/3	
			46			1/3	
MATHEMATICS (7/3 units) Course	s with prefix: MA					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
16 MA 1021 (Calc 1)		1/3	N	ote	1: Can be satisfied with CH 3510 as a Mathematic	cs and Basic Science	
17 MA 1022 (Calc 2)		1/3			ive, or ES 3001, Introduction to Thermodynamics a		
18 MA 1023 (Calc 3)		1/3			approved equivalent course.	ac a r roo Elootivo, Ol	
19 MA 1024 (Calc 4)		1/3			2: Must include 1/3 unit in Experimentation (fulfille	A by ADEN 2002 M	
			N	υte	2. IVIUST INCIDURE 1/3 UTILL IN EXPERIMENTATION (TUITINE	U DV AKEN JUUJ. M	

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20 MA 2051 (Diff Eqs)

21 MA 2611 (Applied Stats I)

23 PH 1110/1111 (Mechanics)

24 PH 1120/1121 (E&M)

22 MA 2621 (Probability for Applications)

PHYSICS (2/3 unit) Courses with prefix: PH

3901, CE 3026 or approved equivalent).

Note 3: Courses in Engineering Science and Design Chart above can be replaced by other approved equivalents.

Note 4: Must include the Capstone Design Activity.