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

Name:				Class Year:			
Advisor:				2 nd Major:			
NOTEO Minimum total and	Janei 114 4.5 - 4.70 114 114 114			011	FMOTOV (4/2 are it) Occurs a with mass for Old		
NOTES: Minimum total academic credit = 15 1/3 units Residency Req.: Min. of 8 units must be completed at WPI				25	EMISTRY (1/3 unit) Course with prefix: CH CH 1010 (Chem 1) or 1020 (Chem 2)	1/3	
				25 CH 1010 (Cheffi 1) 01 1020 (Cheffi 2) 1/3			
HUMANITIES AND ARTS RE Depth Component	QUIREMENT (2 units)				TH AND BASIC SCIENCE ELECTIVES (2/3 unit) uding 1/3 unit in Thermodynamics (Note 1)		
Students must complete at least three thematically-related courses prior to				26	l l l l l l l l l l l l l l l l l l l	1/3	
the culminating Inquiry Seminar or Practicum in the same thematic area. At				27		1/3	
least one of the three courses	should be at the 2000-level	or above.			<u> </u>		
Course	Term	Grade	Units				
1			1/3	AR	CHITECTURAL ENGINEERING COMPLEMENTS (<u>(1 unit)</u>	
2			1/3	-	I about the term of the term o	1 1	
3			1/3	28	AR 2114 Mod Arch in the American Era	1/3	
4 HU 3900 or HU 3910		1	1/3	29	AREN 3001 Arch Graphics and Design	1/3	
Breadth Component Students must take at least or	ne course outside the groupi	na in which	they.	30	AREN 3002 Architectural Design	1/3	
i. art/art history, drama/theatr ii. foreign languages (SP, GN iii. literature and writing rhetori	, AB, CN); ic (EN, WR, RH);	ИU);		GE	tes 2, 3) NERAL ARCHITECTUAL ENGINEERING (2/3 unit)		
iv. history and international stu				31	AREN 2023 Intro to Arch Eng Systems	1/3	
/. philosophy and religion (PY				32		1/3	
Exception: May take all six co	urses in a foreign language		4/0		NSTRUCTION/CONSTRUCTION MANAGEMENT	(2/3 unit)	
ರ Humanities Elective		1	1/3		ect two of the following: CE 3020, 3022, 3025	1/0	
6			1/3	33 34		1/3	
PHYSICAL EDUCATION (4 P	E classes = 1/3 unit)	1	1/0		ILDING MECHANICAL SYSTEMS (2/3 unit)	1/3	
			1/12	35	AREN 3003 Principles of HVAC Design	1/3	
7			1/12	36	ES 3003 or FPE 3080	1/3	
7			1/12		ILDING STRUCTURAL ENGINEERING (1 unit)	1 170	
			1/12		ect three of the following: CE 2000, 2001, 2002, 304	11	
SOCIAL SCIENCE (2/3 unit) ECON, ENV, GOV, PSY, SD, SOC, SS, STS				37		1/3	
and ID2050	T		1	38		1/3	
8			1/3	39			
HE INTERACTIVE OHALIES	(INC DDO IECT /4:4)		1/3		LDING ELECTRICAL SYSTEMS (2/3 unit)		
THE INTERACTIVE QUALIFY	ring PROJECT (1 unit)		4/2	40	ECE 2010 Intro to ECE	1/3	
10			1/3		AREN 3004 Building Elec and Light Sys	1/3	
11			1/3		SIGN FOCUS ON THE MECHANICAL AREA (2/3 t		
FREE ELECTIVES (1 unit)			1/3	42	ect two of the following: FPE 3070, ES 3005, AREN		
· ,	I		1/2	42		1/3	
13 14			1/3		JOR QUALIFYING PROJECT (1 unit)	1/3	
14 15			1/3		te 4)		
IJ		1	1/3	44	<u> </u>	1/3	
MATHEMATICS AND BASIC	SCIENCES (4 units)			45		1/3	
	J. Z. Z. T. G. T.			46		1/3	
MATHEMATICS (7/3 units) Co	ourses with prefix: MA				-	•	
16 MA 1021 (Calc 1)			1/3	No	te 1: Can be satisfied with CH 3510 as a Mathematic	cs and Basic Science	
17 MA 1022 (Calc 2)			1/3	Ele	ctive, or ES 3001, Introduction to Thermodynamics	as a Free Elective, or	
18 MA 1023 (Calc 3)			1/3	oth	er approved equivalent course.		
19 MA 1024 (Calc 4)			1/3		te 2: Must include 1/3 unit in Experimentation (fulfille	ed by AREN 3003, MF	
20 MA 2051 (Diff Fgs)			1/3		A CE 2000 an annual annihilant	•	

1/3

1/3

1/3

1/3

1/3

3901, CE 3026 or approved equivalent).

replaced by other approved equivalents.

Note 4: Must include the Capstone Design Activity.

Note 3: Courses in Engineering Science and Design Chart above can be

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 units) Courses with prefix: PH