ARCHITECTURAL ENGINEERING MAJOR Program Tracking Sheet

		E	ffective for	or students	enterin	g in AY 2021-2022			
Name:					Class	Class Year:			
Advisor:					2 nd Ma	2 nd Major:			
	T <u>ES</u> : Minimum total academic credit = 15 u Residency Req.: Min. of 8 units must		ed at WPI		flui	st include 1/3 unit in Thermodynamics (Note d mechanics (can be fulfilled by ES 3004)	1). Must include		
HUMANITIES AND ARTS (6/3 unit)					23 24			1/3	
	All 5 HUA courses must be completed before beginning the Inquiry Seminar							1/3	
Dep Stue the	Practicum. oth Component dents must complete at least three themati culminating Inquiry Seminar or Practicum i ot one of the three courses should be at the	n the same	thematic ar	rior to rea. At	(Nc	CHITECTURAL ENGINEERING SCIENCE te 2, 3, 4) CHITECTURAL ENGINEERING COMPLEN AR 2114 Mod Arch in the American	•)	
	Course	Term	Grade	Units		Era		1/3	
1				1/3	26	AREN 2023 Intro to AREN Systems		1/3	
2				1/3	CO	NSTRUCTION/CONSTRUCTION MANAGE	MENT (2/3 units)	
3				1/3	27	CE 3025 or OIE 2850		1/3	
4	HU 3900 or HU 3910			1/3	28	CE 3022 or CE 3020		1/3	
Breadth Component BUILDING MECHANICAL SYSTEMS (5/3 units)									
	Students must take at least one course outside the grouping in which they					AREN 3024 Building Physics		1/3	
	plete their depth component. To identify b	readth, cour	ses are gro	ouped in	30	AREN 3003 Principles of HVAC design		1/3	
	following manner.					for buildings			
	i. art/art history, drama/theatre, and music (AR, EN/TH, MU);					AREN 3006 Advanced HVAC Design		1/3	
ii. foreign languages (AB, CN, EN, GN, SP);					32	AREN 3020 Architectural Design IV-		1/3	
	iii. literature and writing rhetoric (EN, WR, RH);					Building Energy Simulation			
	iv. history and international studies (HI, HU, INTL);v. philosophy and religion (PY, RE).					AREN 3022 Architectural Design V-		1/3	
	eption: May take all six courses in a foreigi					Building Envelope Design			
5		Tialiyuaye		1/3	BU	ILDING ELECTRICAL SYSTEMS (2/3 units)		
-	nanities Elective			1/5	34	AREN 2025 Building Electrical Systems		1/3	
6				1/3	35	AREN 2004 Architectural Design II-		1/3	
-	/SICAL EDUCATION (4 PE classes = 1/3	unit)		1/5		Light and Lighting Systems			
FII				1/12		ILDING STRUCTURAL ENGINEERING (5/3	3 units) (Note 2)		
				1/12	36	CE 2000 Analytical Mechanics I		1/3	
7				1/12	37	CE 2001 Analytical Mechanics II		1/3	
				1/12	38	CE 2002 Introduction to Analysis and		1/3	
SO	CIAL SCIENCE (2/3 unit) ECON, ENV, GC	V PSY SD	SOC SS	20	Design		4/2		
	6, DEV and ID2050	V, I O I , OD	, 000, 00,		39 40			1/3 1/3	
8				1/3		I NERAL ARCHITECTURAL DESIGN (2/3 ur	aita)	1/3	
9				1/3	41	· · · · · ·	11(5)	1/3	
THE	INTERACTIVE QUALIFYING PROJECT	(1 unit)			41	AREN 3002 Architectural Design III		1/3	
10		,		1/3		JOR QUALIFYING PROJECT (1 unit) (Note	3)	1/5	
11				1/3	43		5)	1/3	
12				1/3	44			1/3	
	THEMATICS AND BASIC SCIENCES (4 ι	units)			45			1/3	
	THEMATICS (7/3 unit) Courses with prefix				45			1/5	
13	MA 1021 (Calc 1)			1/3	No	te 1: Can be satisfied with PH 2101 as a Ma	thematics and Ra	asic Science	
14	MA 1022 (Calc 2)			1/3		ctive, or ES 3001, Introduction to Thermodyr			
15	MA 1023 (Calc 3)			1/3		-			
16	MA 1024 (Calc 4)			1/3		er approved equivalent course.		1 ha hu-	
17	MA 2051 (Diff Eqs)			1/3		te 2: The additional two structural engineerin	-		
18	MA 2071 (Lin Alg)			1/3		ign level structural engineering courses (suc	ch as CE 3006, 3	008, 3010,	
19 MA 2611 (Applied Statistics) 1/3						or 3044)			
PHYSICS (2/3 unit) Courses with prefix: PH Note 3: Must include the Capstone Design activity through the MC									
20 PH 1110/1111 (Mechanics) 1/3						achieves design proficiency in either the structural or mechanical area.			
21 PH 1120/1121 (E&M) 1/3						Note 4: Must include 1/3 unit in Experimentation (fulfilled by AREN 3003,			
	EMISTRY (1/3 unit) Course with prefix: CH			<u> </u>		EN 3025, ME 3901, CE 3026 or approved eq	. ,		
22	CH 1010 (Chem 1) or 1020 (Chem 2)			1/3		te 5: GPS courses can only be used to fulfill	the HUA, SSPS,	or the Free	
		•			Ele	ctive Requirements.			