

Name: _____

WIN: _____

CIVIL ENGINEERING										2016-2017					
Cr. Hrs.	SEM 1	Cr. Hrs.	SEM 2	Cr. Hrs.	SEM 3	Cr. Hrs.	SEM 4	Cr. Hrs.	SEM 5	Cr. Hrs.	SEM 6	Cr. Hrs.	SEM 7	Cr. Hrs.	SEM 8
4	MATH 1220 or 1700 Calculus I (F, Sp, Su1, Su2)	4	MATH 1230 or 1710 Calculus II (F, Sp, Su1, Su2)	4	MATH 2720 Multi-Variable Calculus (F, Sp, Su1, Su2)	4	MATH 3740 Differential Equations (F, Sp, Su1, Su2)	3	CCE 3360 Soil Mechanics (L) (F)	3	CCE 3080 Civil & Construction Eng Materials (L) (Sp)	3	CCE 4300 Traffic Design (L) (F)	3	CCE Structural Elective**
	MATH 1180 ≥ C or placement		MATH 1220 or 1700 ≥ C		MATH 1230 or 1710 ≥ C		MATH 2720 ≥ C		ME 2570 ≥ C		ME 2570 ≥ C		CCE 3300 ≥ C		
4	GEOS 1300 Physical Geology (L) (F, Sp)	3+	CHEM 1100/1110 Gen. Chemistry I (L) (F, Sp, Su1, Su2)	4+	PHYS 2070/2080 Univ. Physics II (L) (F, Sp, Su2)	3	CHEG 2611 Environmental Engineering (Sp)	3	IEE 3100 Engineering Economy (F, Sp, Su1)	3	CCE 3300 Transportation Engineering (Sp)	3	CCE 4400 Introduction to Structural Desgin (F, Su1)	3	CCE 4850 Senior Project (F, Sp)
			MATH 1110 ≥ C or placement		PHYS 2050 ≥ C		MATH 1230 or 1710 ≥ C		MATH 1230 ≥ C		CCE 2360 ≥ C		CCE 3080 ≥ C		CCE 4830 ≥ C
					MATH 1230 or 1710 ≥ C		CHEM 1100/1110 ≥ C		Junior Standing		IEE 2610 ≥ C		CCE 3860 ≥ C		CCE 4300 ≥ C
					MATH 2720 or 2300 ≥ C or taking concurrently										CCE 4400 ≥ C
															Approved Project
1	CCE 1001 Intro to Engineering Design (F)	4+	PHYS 2050/2060 Univ. Physics I (L) (F, Sp, Su1)	3	CCE 2360 Geomatics (L) (F)	3	ME 2580 Dynamics (F, Sp, Su1)	3	ME 3560 Fluid Mechanics (F, Sp, Su I)	3	CCE 3330 Construction Codes & Specifications (Sp)	1	CCE 4830 Project Design & Control (F, Sp)	3	CCE Elective**
			MATH 1220 or 1700 ≥ C		CCE 1490 or EDMM 1420 ≥ C		PHYS 2050/2060 ≥ C		ME 2580 ≥ C		ME 2570 ≥ C		Senior Standing		
			MATH 1230 or 1710 ≥ C or taking concurrently		MATH 1220 or 1700 ≥ C		ME 2560 or 2530 ≥ C		MATH 3740 ≥ C				CCE 4300 ≥ C or taken concurrently		CCE 4400 ≥ C or taken concurrently
3	IEE 1020 Technical Communication (F, Sp)	2	CS 1022 & 1023 Math Software & Programming (L) (F, Sp)	3	IEE 2610 Engineering Statistics (L) (F, Su1)	3	ME 2570 Mechanics of Materials (F, Sp, Su2)	3	ECON 2010 GEN ED V Microeconomics (F, Sp, Su1)	3	CCE 3860 Structural Analysis (Sp)	3	CCE Construction Elective** (F)	2	GEN ED VIII* Health & Well Being
	ENGL 1000 ≥ C or placement		MATH 1180 ≥ C or placement		MATH 1220 or 1700 ≥ C		ME 2560 ≥ C				ME 2570 ≥ C				
3	EDMM 1420 Engineering Graphics (L) (F, Sp, Su1)	1	CCE 1002 Intro to Engineering Analysis (Sp)	3	ME 2560 Statics (F, Sp, Su1)	3	GEN ED I* Fine Arts	3	PHIL 3160 GEN ED II Engr/Tech Ethics (Sp, Su1)	4	GEN ED IV Other Cultures	3	CCE Elective**	3	GEN ED III* U.S. Cultures & Issues
					MATH 1230 or 1710 ≥ C										
					PHYS 2050/2060 ≥ C										
												3	CCE 4561 Foundation & Earth Retaining Structure Design (F)		
													CCE 3360 ≥ C		
	15 hours		16 hours		18 hours		16 hours		15 hours		16 hours		16 hours		14 hours
															126 total hours

NOTES: Prerequisite courses are shown in smaller print.

* See your academic advisor for General Education and elective requirements.

48 Cr. Pre-Engineering Req.

54 Cr. CCE req.

12 Cr. Gen Ed Req

12 Cr. CCE Elective Req.

** See page 2 for electives.

A 'C' or better is required for admission to upper level CEAS courses

Name: _____

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CIVIL ENGINEERING ELECTIVES - 4 electives required

Select: 1 construction elective, 1 structural elective, and 2 additional electives from any category

	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective		
Construction Elective Options CHOOSE 1	3	CCE 4310 Construction Planning & Scheduling (F)	3	CCE 4360 Construction Est. Bidding & Cost (F)	3	CCE 4380 Construction Project Management (Sp)	3	CCE 5300 Project Delivery	3	CCE 5310 Adv. Construction Project Management
		CCE 3080 ≥ C		CCE 3080 ≥ C		CCE 4310 ≥ C		CCE 4310 ≥ C		CCE 4310 ≥ C
				CCE 3330 ≥ C		or CCE 4360 ≥ C		CCE 4360 ≥ C		CCE 4360 ≥ C
Structural Elective Options CHOOSE 1	3	CCE 5440 Reinforced Concrete Design (Sp)	3	CCE 5450 Design of Steel Structures (Sp)	3	CCE 5460 Design of Timber Structures				
		CCE 4400 ≥ C		CCE 4400 ≥ C		CCE 3860 ≥ C				
Additional Elective Options:	3	CCE 3350 Water Resources Engineering (F)	3	CCE 4340 Hydraulics	4	CCE 4350 Hydrology	3	CCE 4370 Pavement Design	3	CCE 5400 Transportation Planning
		ME 3560 ≥ C		ME 3560 ≥ C		ME 3560 or CCE 4340 ≥ C		CCE 3360 ≥ C		CCE 3300 ≥ C
							CCE 3080 ≥ C			
							CCE 3860 ≥ C			
	3	CCE 5520 Highway Design Principles	3	CCE 5610 Design of Wastewater Systems	3	CCE 5960 Special Topics in Civil & Construction Engineering	3	PAPR 3531 Wastewater Treatment Systems	3	PAPR 4521 Air Poll / Solid Waste Mgmt
		CCE 3300 ≥ C		CHEG 2611 ≥ C		Permission of Instructor		CHEG 2611 ≥ C		CHEG 2611 ≥ C
			ME 3560 ≥ C							