

CIVIL ENGINEERING TECHNOLOGY CURRICULUM GRID

Student Name _____

SID _____

Date Started _____

Advisor _____

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	COST 1103 Freshman Year	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre Calculus (<i>Pre-Requisites MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i>)	3	
D	CSCI 1130 Computer Applications	3	
B	HUMN 1201 Critical Thinking & Communication	3	
F	CHEM 1211 Principles of Chemistry I (<i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i>)	3	
F	CHEM 1211L Chemistry I Lab	1	
	TOTAL HOURS	18	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II (<i>Pre-Requisites ENGL 1101</i>)	3	
D	PHYS 1111K Introductory Physics I (<i>Pre-Requisites MATH 1113</i>)	4	
F	MATH 2101 Calculus I (<i>Pre-Requisites MATH 1113</i>)	4	
F	ENGT 2101K Computer Graphics (<i>Pre-Requisites MATH 1113</i>)	3	
Institution	HEDU	3	
	TOTAL HOURS	17	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II (<i>Pre-Requisites MATH 2101</i>)	4	
MAJOR	ENGT 3101 Statics (<i>Pre-Requisites MATH 1113; PHYS 1111K or PHYS 2211K</i>)	3	
D	PHYS 1112K Physics II (<i>Pre-Requisites PHYS 1111K or PHYS 2211K</i>)	4	
MAJOR	CIVT 3101K Surveying (<i>Pre-Requisites MATH 1113</i>)	4	
B	AFRS 1501 African American History	2	
	TOTAL HOURS	17	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	ENGT 2201 Technical Writing (<i>Pre-Requisites Junior Standing</i>)	2	
MAJOR	CIVT 3201K Civil Engineering Materials (<i>Pre-Requisites MATH 1113</i>)	3	
MAJOR	ENGT 3501 Dynamics (<i>Pre-Requisites ENGT 3101 or ENGR 2201; MATH 2101</i>)	2	
MAJOR	ELET 3101K Electrical Circuits I (<i>Pre-Requisites MATH 1113</i>)	3	
MAJOR	ENGT 3601 Strength of Materials (<i>Pre-Requisites ENGT 3101 or ENGR 2201 ; MATH 2111</i>)	3	
MAJOR	CIVT 3301K Fluid Mechanics (<i>Pre-Requisites ENGT 3101 or ENGR 2201; MATH 2111</i>)	4	
	TOTAL HOURS	17	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	CIVT 3701 Structural Analysis (<i>Pre-Requisites ENGT 3601</i>)	4	
MAJOR	ENGT 3701 Engineering Economy (<i>Pre-Requisites MATH 1113</i>)	3	
MAJOR	CIVT 3401K Highway & Transportation Engineering (<i>Pre-Requisites ENGT 2101 or ENGR 2770; CIVT 3201K; MATH 2111</i>)	4	
MAJOR	CIVT 3311 Engineering Hydrology (<i>Pre-Requisites CIVT 3301K</i>)	3	
C	AREA C OPTION (Language Studies Course) (Select only one) ENGL 2110, ENGL 2121, ENGL 2122, ENGL 2131, ENGL 2132, ENGL 2222, RPHS 2101, RPHS 2241	3	
	TOTAL HOURS	17	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	CIVT 4201K Environmental Engineering I (<i>Pre-Requisites CIVT 3311</i>)	4	
MAJOR	CIVT 3211 Construction Estimating & Management (<i>Pre-Requisites CIVT 3201K</i>)	3	
E	POLS 1101 American Government	3	
MAJOR	CIVT 4111K Reinforced Concrete (<i>Pre-Requisites ENGT 2101K or ENGR 2770; CIVT 3701</i>)	4	
	TOTAL HOURS	14	
SENIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	CIVT 4101 Steel Design (<i>Pre-Requisites ENGT 2101K or ENGR 2770; CIVT 3701</i>)	4	
C	AREA C OPTION (Cultural Studies Course) (Select only one) HUMN 2011, ARTS 1101, MUSC 1101, THEA 1101, ENGL 2521	3	
MAJOR	CIVT 4211 Environmental Engineering II (<i>Pre-Requisites CIVT 4201K</i>)	3	
E	POLS 2401 Global Issues	3	
MAJOR	Technical Elective (MSCI 3702; MECT 3411; MATH 3301; ELET 4701K; CSCI 1301; CSCI 1371; CIVT 3501; CIVT 4350; ENGT 4903 or any approved class, internship, and Independent study by the advisor) (<i>Pre-Requisites: Check with Advisor</i>)	3	
	TOTAL HOURS	16	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	Technical Elective (MSCI 3702; MECT 3411; MATH 3301; ELET 4701K; CSCI 1301; CSCI 1371; CIVT 3501; CIVT 4350; ENGT 4903 or any approved class, internship, and Independent study by the advisor) (<i>Pre-Requisites: Check with Advisor</i>)	3	
MAJOR	ENGT 4401 Senior Project (<i>Pre-Requisites CIVT 4211K; CIVT 4111K; CIVT 4101K; CIVT 3601K; or CIVT 3401K</i>)	3	
E	HIST 2111 or 2112	3	
MAJOR	CIVT 3601K Soil Mechanics & Foundation Design (<i>Pre-Requisites CIVT 3201K; ENGT 3601</i>)	4	
E	AREA E OPTION (Select only one) HIST 1111, HIST 1112, PSYC 1101, ANTH 1102, GEOG 1101, SOCI 1101, ECON 2105	3	
	TOTAL HOURS	16	
		Total to Graduate	132

CORE CURRICULUM AREAS (A-E)

44

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

17

CIVIL ENGINEERING TECHNOLOGY PROGRAM REQUIREMENTS

66

INSTITUTIONAL REQUIREMENTS

5

TOTAL HOURS

132 HOURS

All students who have successfully completed 91 hours, must complete the application for graduation. This will allow the Registrar to begin the degree audit process.

STUDENT AGREEMENT

I agree to follow the above schedule.

Student Signature

PREPARED BY:
Dr. Mohamad Mustafa, Coordinator
Civil Engineering Technology
Revised: September 2011