

CIVIL ENGINEERING - MA 113 & MA 123 14-15 EIGHT SEMESTER PLAN

YEAR 1

FRESHMAN FALL		STATUS	PREREQ	NOTES
MA 113	College Algebra	3	ACT/SAT	
MA 123	Trogonometry	3	ACT/SAT	
CH 104	General Chemistry I	4	Advisor	
EGR 153	Engineering Graphics	3		
GE 101	Intro to Engineering	1		
ENG 103	English Composition 1	3	ACT/SAT	
Total		17		

FRESHMAN SPRING		STATUS	PREREQ	NOTES
CE 1021	Computer Tools for Civil Engineering	1		
MA 134	Calculus I	4	MA 124	
PH 224	University Physics I & Lab	4	MA 134	
CH 114	General Chemistry II & Lab	4	CH 104	
ENG 133	Technical Communication	3	ENG 103	
Total		16		

FRESHMAN SUMMER

MA 164	Calculus II	4
Total		4

YEAR 2

SOPHOMORE FALL		STATUS	PREREQ	NOTES
CE 2001/3	Surveying with Lab	4	MA 134	
MA 213	Calculus III	3	MA 164	
ES 213	Statics	3	PH 224	
PH 234	Physics II & Lab	4	PH 224/MA 164	
SP 203	Effective Speaking	3	ENG 133	
Total		17		

SOPHOMORE SPRING		STATUS	PREREQ	NOTES
MA 233	Differential Equations	3	MA 213	
ES 243	Solid Mechanics	3	ES 213	
ES 323	Fluid Mechanics	3	MA 213/ES 213	
CE 3603	Transportation Engineering	3	MA 164	
	Humanities/SS Elective (3)	3		
Total		15		

YEAR 3

JUNIOR FALL		STATUS	PREREQ	NOTES
MA 393	Probability & Statistics	3	MA 213	
CE 3101/3	Environmental Aqueous & Lab	4	ES 323/CH 114	
CE 3201/3	CE Materials & Lab	4	ES 243	
CE 3501/03	Structural Analysis & Lab	4	ES 243	
ES 223	Dynamics	4	ES 213	
Total		19		

JUNIOR SPRING		STATUS	PREREQ	NOTES
CE 3701/3	Soil Mechanics & Lab	4	ES 243	
CE 3521/23	Introduction to Structural Design	4	CE 320/CE 3501	
CE 3301/03	Hydraulics & Lab	4	ES 323	
	Humanities/SS Elective (3)	3		
	Science Elective (3)	3		
Total		18		

YEAR 4

SENIOR FALL		STATUS	PREREQ	NOTES
ES 382	Engineering Economics	2	Jr Standing	
CE 4912	CE Design Seminar	2		
	Civil In-Depth Electives (6)	6		
	Business Elective (3)	3		
Total		13		

SENIOR SPRING		STATUS	PREREQ	NOTES
CE 4914	CE Engineering Design	3	CE 4912	
GE 401	Professional Practice	3		
	Civil In-Depth Elective (3)	3		
	Humanities/SS Elective (3)	3		
	Prof Development Electives (6)	6		
Total		18		

Civil In-Depth Elective				
CE 4113	Hazardous Waste Engineering	3	CE 4103 or 3103	
CE 4123	Water Treatment Principles and Design	3	CE 3103	
CE 4133	Wastewater Treatment Principles and Design	3	CE 3103	
CE 4303	Open Channel Hydraulics	3	CE 3303	
CE 4323	Engineering Hydrology	3	ES 323/CE 3033	
CE 4333	Water Distribution and Design of Sewers	3	CE 3303	

Civil In-Depth Elective				
CE 4703	Special Topics in Geotechnical Engineering	3	CE 3703	
CE 4713	Foundation Engineering	3	CE 3704	
CE 4723	Pavement Design	3	CE 3203/3703	
CE 4603	Highway Geometric Design	3	CE3603	