San Diego State University
Dept. of Civil, Construction & Environmental Engineering
Civil Engineering Program

Name: _____
Last First Middle Initial

Semester/Year Admitted: _____
Semester/Year of Graduation: _____

Civil Engineering Master Plan

2008 / 2009 - 2011 / 2012

Red ID #_____
Home Phone_____
E-mail_____

Basic Science (35 units)	Units	Design Units	<F_ _	F_ _	Sp_ _	F_ _	Sp_ _	F_ _	Sp_ _	F_ _	Sp_ _	F_ _	Transfer Course when/where
Math 150	4		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Math 151	4		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Math 252	4		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 120 Computer Applications I	3		[ ]	[ ]		[ ]		[ ]		[ ]		[ ]	_____
CIVE 160 Stat Methods for Civil Engr	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
ENGR 280 Methods of Analysis	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Physics 195	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Physics 196	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Chemistry 200	5		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Life Sciences	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Basic Engineering (22 units) Lower Division													
CONE 101 Construction & Culture	3												
CIVE 100 Intro to Civil Engr	1		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 121 Computer Applications II	3		[ ]		[ ]		[ ]		[ ]		[ ]		_____
CIVE 218 Surveying for Civil Engs.	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 220 Computer Applications III	3		[ ]	[ ]		[ ]		[ ]		[ ]		[ ]	_____
EM 200 Statics	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
EM 220 Dynamics	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Engineering Elective (select one)													
EE 204 Princ. Electrical Eng	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
ME 240 Engineering Materials	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
ME 352 Thermo. & Heat Transfer	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
Civil Engineering (46 units minimum, 16 design units minimum) Required (27 units, 6 design units)													
EM 340 Fluid Mechanics	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
EM 341 Fluid Mechanics Lab	1		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 301 Intro. to Solid Mechanics	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 302 Solid Mechanics Lab	1		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 321 Structural Analysis I	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
ENVE 355 Environ. Engineering	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 401 Civil Engr & Society	1		[ ]	[ ]		[ ]		[ ]		[ ]		[ ]	_____
CONE 430 Princ. Engineering, Econ.	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 444 Applied Hydraulics	3	2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 462 Geotechnical Eng.	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 463 Geotechnical Eng. Lab	1		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 481 Transportation Eng.	3	1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____
CIVE 495 CCEE Design	3	3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	_____

Electives (15 units minimum, 10 design units minimum) <F_ _ F_ _ Sp_ _ F_ _ Sp_ _ F_ _ Sp_ _ F_ _ Sp_ _ F_ _

		Units	Design Units										
CIVE 421	Reinforced Concrete Design	3	3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 445	Applied Hydrology	3	2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 465	Foundation Eng.	3	3	[ ]		[ ]		[ ]		[ ]		[ ]	[ ] _____
CIVE 482	Highway Eng.	3	3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 496	Adv. Civil Eng. Topics	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 499	Special Study	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 521	Structural Analysis II	3		[ ]	[ ]		[ ]		[ ]		[ ]		[ ] _____
CIVE 523	Design of Light Framed Struc.	3	3	[ ]		[ ]		[ ]		[ ]		[ ]	[ ] _____
CIVE 525	Design of Steel Structures	3	3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 528	Design of Masonry Strucs	3	3	[ ]	[ ]		[ ]		[ ]		[ ]		[ ] _____
CIVE 530	Open Channel Hydraulics	3	2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
CIVE 580	Traffic Eng. Design	3	2	[ ]		[ ]		[ ]		[ ]		[ ]	[ ] _____
CIVE 596	Adv. Civil Eng. Topics	3		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] _____
ENVE 441	Water Treatment Eng	3	2	[ ]	[ ]		[ ]		[ ]		[ ]		[ ] _____
ENVE 442	WastewaterTreatment Eng	3	2	[ ]		[ ]		[ ]		[ ]		[ ]	[ ] _____
ENVE 556	Air Pollution	3	2			[ ]		[ ]		[ ]		[ ]	[ ] _____
ENVE 558	Solid Waste Eng.	3	2		[ ]		[ ]		[ ]		[ ]		[ ] _____
CONE 401	Const Planning & Scheduling	3	2	[ ]	[ ]		[ ]		[ ]		[ ]		[ ] _____
CONE 420	Environmental Conscious Con	3	3			[ ]		[ ]		[ ]		[ ]	[ ] _____
CONE 479	Construction Materials	3	2	[ ]		[ ]		[ ]		[ ]		[ ]	[ ] _____
CONE 480	Design of Temp Structures*	3	3	[ ]		[ ]		[ ]		[ ]			[ ] _____

DO NOT EXCEED 15 UNITS 15[ ] 10[ ]
(Students may take additional units, but can only show 15 units on Masterplan)

Elective course choices must consist of at least one course from at least four of the six areas.
Note: Courses may not always be offered in the semester shown.

Areas:	**Water**	**Transportation**	**Environmental**	**Structural**	**Geotechnical**	**Construction**
	CIVE 445	CIVE 482	ENVE 441 / ENVE 442	CIVE 421	CIVE 465	CONE 401
	CIVE 530	CIVE 580	ENVE 553 / ENVE 554	CIVE 521		CONE 420
			ENVE 556 / ENVE 558	CIVE 523		CONE 479
			ENVE 563	CIVE 525		CONE 480 *Prerequisites for CIVE Majors
				CIVE 528		CIVE 321 & CIVE 462

Required Signatures: Student _____ Date _____

CEE Advisor _____Date _____

CEE Chair _____Date _____

Copy 1: *Evaluations* [ ] **Copy 2: *CCEE Dept. File* [ ]** **Copy 3: *Student* [ ]**

Instructions for filing the Master Plan

- **Consult** with your **CCEE advisor** regarding your program of study, including your choice of electives. ***Complete the three master plan forms in ink***. Have your **CCEE advisor sign and date all three forms.**

- **Student then signs and dates all three forms** and delivers all three Master Plan forms to the CCEE office for the Chair's final approval, signature and date. Students may pick up their copy from the CCEE office within three working days. The CCEE office will keep one copy on file in the office and send one to Evaluations.

- Any changes in the Master Plan require filing a *Request for Adjustment of Academic Requirements* form. This has to be done before taking substitute courses.

Remember this is your plan for completion of the BS degree. All required courses must be checked as well as the electives you will take to finish the degree.

Check with your CCEE Advisor regarding Schedule Changes and Summer Offerings