Name_____ I.D. No._____

CIVIL ENGINEERING
Curriculum Sheet

Revised 5-18-09

Effective for all students admitted to CVE program Fall 2009 and after.

Fall Semester – Year 1	**Cr.**	**Grade**
ENG 101 English I	4	_____
MTH 181 Calculus I	4	_____
CHM 261 General Chemistry I	4	_____
CHM 266 General Chemistry Lab I	1	_____
ESC 120 Intro. to Engineering Design ***	2	_____
ESC 100 New Student Orientation*	1	_____

Spring Semester – Year 1	**Cr.**	**Grade**
ESC 102 Technical Writing	3	_____
MTH 182 Calculus II	4	_____
PHY 241 University Physics I	5	_____
Gen Ed Elective_____	3	_____
GEO 100 Introduction to Geology	3	_____
CSC 121 Career Orientation**	1	_____

Fall Semester – Year 2	**Cr.**	**Grade**
ESC 201 Statics	3	_____
ESC 250 Differential Equations for Engrs.	3	_____
MTH 283 Multivariable Calculus for Engrs.	2	_____
PHY 242 Univ. Physics II	5	_____
CVE 211 Surveying	3	_____
CVE 212 Surveying Lab	2	_____

Spring Semester – Year 2	**Cr.**	**Grade**
ESC 211 Strength of Materials	3	_____
CVE 310 Strength of Materials Lab	2	_____
CVE 360 Mechanics of Fluids and Basic Thermal Systems for Civil Engineers	4	_____
ESC 200 Engineering History & Heritage	3	_____
ESC 282 Engineering Economy	3	_____

Fall Semester – Year 3	**Cr.**	**Grade**
ESC 202 Dynamics	3	_____
CVE 312 Structural Analysis I	3	_____
CVE 361 Hydraulic Engineering	3	_____
CVE 362 Hydraulics Lab	2	_____
CVE 371 Environmental Engineering I	3	_____
CVE 374 Environmental Engineering Lab	2	_____

Spring Semester – Year 3	**Cr.**	**Grade**
CVE 331 Intro. to Geotechnical Engineering	3	_____
CVE 332 Geotechnical Engineering Lab	2	_____
CVE 446 Transportation Engineering	3	_____
CVE 461 Hydrologic Analysis	3	_____
CVE 422 Reinforced Concrete Design	3	_____

Fall Semester – Year 4	**Cr.**	**Grade**
CVE 322 Structural Steel Design	3	_____
CVE 429 Foundation Engineering	3	_____
CVE 426 Preliminary Design (SPAC)	2	_____
PHL 215 Engineering Ethics (WAC)	3	_____
Gen Ed Elective_____	3	_____
Gen Ed Elective_____	3	_____

Spring Semester – Year 4	**Cr.**	**Grade**
CVE 403 Construction Planning and Estimating	3	_____
CVE 427 Capstone Design (WAC)	2	_____
CVE Tech Elective_____	3	_____
CVE Tech Elective_____	3	_____
Gen Ed Elective_____	3	_____

* Not required for transfer students
** Optional course. Required for participation in co-op and internship programs.
*** Required for freshmen and transfer students admitted to Engineering College Fall, 2003 and after.
Minimum number of credits required for degree (excluding orientation and co-op): 127

Name_____ Advisor_____

CIVIL ENGINEERING
Co-op Curriculum Sheet
Revised 6-1-09

Year 1 Fall Semester	Cr.	Grade	Spring Semester	Cr.	Grade	Summer Semester
MTH 181 Calculus I	4	_____	MTH 182 Calculus II	4	_____	Work or School
CHM 261 Gen. Chemistry I	4	_____	PHY 241 Univ. Physics I	5	_____	
CHM 266 Gen. Chemistry Lab I	1	_____	ESC 102 Technical Writing	3	_____	
ENG 101 English I	4	_____	GEO 100 Intro. to Geology	3	_____	
ESC 100 New Student Orientation**	1	_____	CSC 121 Career Orientation*	1	_____	
			Gen Ed Elective_____	3	_____	
ESC 120 Intro. to Engineering Design***	2	_____				

Year 2 Fall Semester	Cr.	Grade	Spring Semester	Cr.	Grade	Summer Semester	Cr. Grade
ESC 250 Differential Equations for Engineers	3	_____	ESC 211 Strength of Materials	3	_____	Co-op or School: ESC 300	1 ____
			CVE 310 Strength of Materials Lab	2	_____		
PHY 242 Univ. Physics II	5	_____					
ESC 201 Statics	3	_____	CVE 360 Fluids/ Thermal Syst. for Civil Engineers	4	_____		
CVE 211 Surveying	3	_____					
CVE 212 Surveying Lab	2	_____	ESC 200 History & Heritage	3	_____		
MTH 283 Multi. Var. Calc. Engr	2	_____	Gen Ed Elective_____	3	_____		

Year 3 Fall Semester	Cr.	Grade	Spring Semester.	Cr.	Grade	Summer Semester	Cr. Grade
ESC 202 Dynamics	3	_____	Co-op: ESC 300	1	_____	ESC 282 Engr. Economy	3 ____
CVE 312 Structural Anal. I	3	_____				PHL 215 Engr. Ethics	3 ____
CVE 361 Hydraulic Engr.	3	_____					
CVE 362 Hydraulics Lab	2	_____					
CVE 371 Environmental Engr.	3	_____					
CVE 374 Environ. Engr. Lab	2	_____					

Year 4 Fall Semester	Cr.	Grade	Spring Semester	Cr.	Grade	Summer Semester	Cr. Grade
Co-op: ESC 300	1	_____	CVE 331 Intro. to Geotechnical Engineering	3	_____	Co-op: ESC 300	1 ____
			CVE 332 Geotechnical Engr. Lab (Writing)	2	_____		
			CVE 446 Transportation Engr.	3	_____		
			CVE 441 Hydrologic Analysis	3	_____		
			CVE 442 Reinforced Concrete	3	_____		

Year 5 Fall Semester	Cr.	Grade	Spring Semester	Cr.	Grade
CVE 426 Preliminary Design	2	_____	CVE 403 Construct. Planning and Estimating	3	_____
CVE 429 Foundation Engr.	3	_____			
CVE 322 Structural Steel	3	_____	CVE 427 Capstone Design (Writing)	2	_____
Gen Ed Elective_____	3	_____	CVE Tech Elective_____	3	_____
Gen Ed Elective_____	3	_____	CVE Tech Elective_____	3	_____
			Gen Ed Elective_____	3	_____

Minimum number of credits required for degree (excluding orientation and co-op): 131

* Required for co-op and internship programs.

** Not required for transfer students.

*** Requirement for freshmen and transfer students admitted to Engineering College Fall 2003 and after