SAMPLE 3-YEAR DEGREE PLAN

COLLEGE: Engineering | **DEPARTMENT: Civil and Environmental Engineering**

PROGRAM: Bachelor of Civil Eng | **CREDITS: 128**

OVERVIEW: Qualified students can complete this bachelor's program in three years. The 3-year schedule outlined below provides one pathway to completion as an example, based

ASSUMPTIONS: ***Students must have completed both ENG 101 College Writing I and MTH 181 Calculus I. Completion of CHM 261 General Chemistry I and CHM 266 General Chemistry Lab I is highly recommended. Courses may also be taken during the summer before Year 1.***

YEAR 1					
Fall Courses	**Credits**	**Spring Courses**	**Credits**	**Summer Courses**	**Credits**
MTH 182 Calculus II	4	ESC 102 Technical Writing	**3**	ESC 211 Strength of Materials	3
PHY 241 University Physics I	5	ESC 201 Statics	3	CVE 360 Mechanics of Fluids CVE	4
CVE 211 Surveying	3	ESC 250 Differential Equations for Engrs	3	CVE 310 Strength of Materials Lab	2
CVE 212 Surveying Lab	2	MTH 283 Multivariable Calculus for Engrs	2		
ESC 120 Intro to Engineering Design	2	PHY 242 University Physics II	5		
ESC 100 New Student Orientation	1	Gen Ed Elective	3		
TOTAL	17		19		9

YEAR 2					
Fall Courses	**Credits**	**Spring Courses**	**Credits**	**Summer Courses**	**Credits**
ESC 202 Dynamics	3	CVE 322 Structural Steel Design	3	CHM 261 General Chemisty I	3
CVE 312 Structural Analysis I	3	CVE 331 Intro to Geotechnical Eng	3	CHM 266 General Chemistry Lab I	1
CVE 361 Hydraulic Engineering	3	CVE 332 Geotechnical Eng Lab	2	GEO 100 Introduction to Geology	3
CVE 362 Hydraulics Lab	2	CVE 461 Hydrologic Analysis	3	GEO 101 Geology Lab	1
CVE 371 Environmental Engineering I	3	CVE 422 Reinforced Concrete Design	3		
CVE 474 Environmental Engineering Lab	2	ESC 200 Engineering History and Heritage	3		
ESC 310 Engineering Stats/Probability	3				
TOTAL	19		17		8

YEAR 3					
Fall Courses	**Credits**	**Spring Courses**	**Credits**	**Summer Courses**	**Credits**
CVE 426 Preliminary Design (SPAC)	2	CVE 403 Construction Planning and Est	3		
CVE 429 Foundation Engineering	3	CVE 427 Capstone Design (WAC)	2		
PHL 215 Engineering Ethics (WAC)	3	CVE 446 Transportation Engineering	3		
CVE Tech Elective	3	CVE Tech Elective	3		
ESC 282 Engineering Economy	3	Gen Ed Elective	3		
Gen Ed Elective	3	Gen Ed Elective	3		
TOTAL	17		17		0

3-YEAR TOTAL (include any additional credits or pre-program assumptions): Actually 128, add 7 credits for ENG 101 and MTH 181 123

Submit by 9/15/2012 to Office of Vice Provost for Academic Planning, AC 220