BACHELOR OF SCIENCE IN CIVIL ENGINEERING **Catalogue**

Student: **Date:** **2015-2016**

ID #: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		PHYS 031 - Physics for Engineers I[1]	4	
CHEM 031 - General Chemistry I[1]	4		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
ENGS 001 - Written Expression	3		CS 020 - Programming for Engineers[1]	3	
MATH 021 - Calculus I[1]	4		MATH 022 - Calculus II[1]	4	
General Education Elective[2]	3		CE 003 - Intro. Civil & Env. Engr.	2	
			General Education Elective[2]	3	
Total credits	*16*		*Total credits*	*16/17*	

1. Students must complete the Pre-Engineering Technical (PET) courses with C- or higher by the end of the first year of study. Students not completing the PET Requirement during their first year, will be put on NOTICE and must successfully complete the courses by the end of the fall term of their Sophomore year in order to take additional engineering courses. Student must have a cumulative GPA of at least 2.3 before taking sophomore level engineering courses.

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 001 - Statics	3		ME 012 - Dynamics	3	
CE 010 - Geomatics	4		CE 132 - Environmental Systems	3	
MATH 121 - Calculus III	4		MATH 271 - Appl. Math. for Engr. & Sci.	3	
STAT 143 - Statistics for Engineers	3		MATH 122 - Applied Linear Algebra	3	
General Education Elective[2]	3		EE 075 - Electrical Circuits & Sensors	4	
Total credits	*17*		*Total credits*	*16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 100 - Mechanics of Materials	3		CE 101 - Materials & Structures lab	3	
CE 133 - Transportation Systems	3		CE 151 - Water & Wastewater Engr	3	
CE 134 - Sustainable Engr. Economics	3		CE 170 - Structural Analysis I	3	
CE 160 - Hydraulics	3		CE 180 - Geotechnical Engineering	3	
CE 162 - Hydraulics Lab	2		CE 182 - Geotechnical Principles Lab	2	
GEOL 001, BIOL 001 or BIOL 002	4				
Total credits	*18*		*Total credits*	*14*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 172 - Structural Steel Design or CE 173 - Reinforced Concrete	3		CE 186 - Capstone Design II	3	
CE 185 - Capstone Design I	3		CE Design Elective[4]	3	
CE Design Elective[4]	3		CE Elective[5]	3	
CE Technical Elective[3]	3		CE Elective[5]	3	
General Education Elective[2]	3		General Education Elective[2]	3	
Total credits	*15*		*Total credits*	*15*	

2. Required General Education Electives (GenEd): fifteen credits of approved GenEd electives, including three credits of D1 and three credits of D1 or D2.

3. CE Technical Electives: All 100 level or above course in engineering (CE, EE, ENGR or ME).

4. CE Design Electives: CE 241, CE 256, CE 261, CE 265, CE 273, CE 281, CE 284, CE 285 and some CE 295 courses (consult advisor). CE 173 is a design elective if CE 172 has also been taken.

5. CE Electives: All CE Design Electives, CE 191, CE 192 and any 200-level CE course.