

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Catalogue

Student: _____

Date: _____

2016-2017

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]	
Foundational Writing and Info Literacy ²	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	
ENGR 050 - First Year Engineering Seminar	1		General Education Elective ³	3	
<i>Total credits</i>	<i>17</i>		<i>Total credits</i>	<i>16/17</i>	

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 ³	3		EE 075 - Electrical Circuits & Sensors	4	
<i>Total credits</i>	<i>17</i>		<i>Total credits</i>	<i>16</i>	

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 160 - Hydraulics	3		CE 170 - Structural Analysis I	3	
CE 162 - Hydraulics Lab	2		CE 180 - Geotechnical Engineering	3	
GEOL 001, BIOL 001 or BIOL 002	4		CE 182 - Geotechnical Principles Lab	2	
			General Education Elective ³	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>17</i>	

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 ⁵	3	
CE Design Elective ⁵	3		CE Elective ⁶	3	
CE Technical Elective ⁴	3		CE Elective ⁶	3	
General Education Elective ³	3		CE Elective ⁶	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

2. Foundational Writing and Information Literacy: Students must take either ENGS 001 or HCOL 085 (only if the student is enrolled in the Honors College). Students transferring from the College of Arts and Sciences can use a TAP class to fulfill this requirement.

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

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

5. 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.

6. CE Electives: All CE Design Electives, [CE 191](#), [CE 192](#) and any 200-level CE course.