

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Catalogue

Student: _____

Date: _____

2017-2018

ID #: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		PHYS 031 - Physics for Engineers I	4	
CHEM 031 - General Chemistry I	4		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
Foundational Writing and Info Literacy ¹	3		CS 020 - Programming for Engineers	3	
MATH 021 - Calculus I	4		MATH 022 - Calculus II	4	
General Education Elective ²	3		CE 003 - Intro. Civil & Env. Engr.	2	
ENGR 050 - First Year Engineering Seminar	1		General Education Elective ²	3	
<i>Total credits</i>	<i>17</i>		<i>Total credits</i>	<i>16/17</i>	

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	
<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 ²	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 ⁴	3	
CE Design Elective ⁴	3		CE Elective ⁵	3	
Technical Elective ³	3		CE Elective ⁵	3	
General Education Elective ²	3		CE Elective ⁵	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

1. 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.

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

4. Design Electives: CE 238, CE 241, CE 256, CE 261, CE 262, CE 265, CE 273, CE 281, CE 284, CE 285, CE 286, CE 288 and some CE 295 (Special Topics) courses (consult advisor). CE 173 is a design elective if CE 172 has also been taken. 6. CE Electives: Any 200-level CE course.

5. CE Electives: Any 200-level CE course.