

BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Catalogue

Student: _____

Date: _____

2015-2016

ID #: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		CS 020 - Programming for Engineers ¹	3	
CHEM 031 - General Chemistry I ¹	4		PHYS 031 - Physics for Engineers I ¹	4	
ENGS 001 - Written Expression	3		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
MATH 021 - Calculus I ¹	4		MATH 022 - Calculus II ¹	4	
General Education Elective ²	3		CE 003 - Intro to Civil & Envir Engr	2	
			CHEM 032 - General Chemistry II	4	
<i>Total credits</i>	<i>16</i>		<i>Total credits</i>	<i>17/18</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 010 - Geomatics	4		CE 001 - Statics	3	
MATH 121 - Calculus III	4		CE 132 - Environmental Systems	3	
BIOL 001/002 - Principles of Biology	4		EE 075 - Electrical Circuits & Sensors	4	
STAT 143 - Statistics for Engineers	3		MATH 271 - Appl. Math. for Engr. & Sci.	3	
General Education Elective ²	3		MATH 122 - Applied Linear Algebra	3	
<i>Total credits</i>	<i>18</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 151 - Water & Wastewater Engr.	3	
CE 133 - Transportation Systems	3		CE 180 - Geotechnical Principles	3	
CE 134 - Sustainable Engr. Economics	3		CE 182 - Geotechnical Principles Lab	2	
CE 160 - Hydraulics	3		GEOL 001 or PSS 161 (Fund. of Soil Sci.)	4	
CE 162 - Hydraulics Lab	2		ME 040 - Thermodynamics	3	
General Education Elective ²	3				
<i>Total credits</i>	<i>17</i>		<i>Total credits</i>	<i>15</i>	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 185 - Capstone Design I	3		CE 186 - Capstone Design II	3	
CE 254 - Environmental Qual. Analysis	4		Env Engr Design Elective ³	3	
Env Engr Design Elective ³	3		Env Engr Elective ⁴	3	
General Education Elective ²	3		Env Engr Elective ⁴	3	
			General Education Elective ²	3	
<i>Total credits</i>	<i>13</i>		<i>Total credits</i>	<i>15</i>	

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. Env Engr Design Electives: [CE 251](#), [CE 253](#), [CE 255](#), [CE 256](#), [CE 261](#), [CE 265](#), [CE 284](#), [CE 285](#) and some [CE 295](#) courses (consult advisor).

4. Env Engr Electives: All Env Engr Design Electives, CE 191, CE 192, and any 200-level CE course.