

BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Catalogue

Student: _____
ID #: _____

Date: _____
Advisor: _____

2016-2017

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	
Foundational Writing and Info Literacy ²	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	
ENGR 050 - First Year Engr Seminar	1		CHEM 032 - General Chemistry II	4	
<i>Total credits</i>	<i>17</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		ME 040 - Thermodynamics	3	
STAT 143 - Statistics for Engineers	3		MATH 271 - Appl. Math. for Engr. & Sci.	3	
			MATH 122 - Applied Linear Algebra	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 100 - Mechanics of Materials	3		EE 075 - Electrical Circuits & Sensors	4	
CE 133 - Transportation Systems	3		CE 180 - Geotechnical Principles	3	
GEOL 001 or PSS 161 (Fund. of Soil Sci.)	4		CE 182 - Geotechnical Principles Lab	2	
CE 160 - Hydraulics	3		CE 254 - Environmental Qual. Analysis	4	
CE 162 - Hydraulics Lab	2		CE 151 - Water & Wastewater Engr.	3	
General Education Elective ²	3				
<i>Total credits</i>	<i>18</i>		<i>Total credits</i>	<i>16</i>	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 185 - Capstone Design I	3		CE 186 - Capstone Design II	3	
Env Engr HydroGeoPhys Design Elective ⁴	3		Env Engr BioGeoChem Design Elective ⁷	3	
Env Engr Science/Tech Elective ⁵	3		Env Engr Elective ⁶	3	
Env Engr Elective ⁶	3		General Education Elective ³	3	
General Education Elective ³	3		General Education Elective ³	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. Env Engr HydroGeoPhys Design Electives: [CE 261](#), [CE 262](#), [CE 265](#), [CE 284](#), [CE 285](#), [CE 288](#) and some [CE 295](#) (Special Topics) courses (consult advisor).

5. Env Engr Science/Tech Elective: [ME 042](#) or any 100-level or higher course in Engineering (CE, EE, ENGR, ME) or science (BIOL, CHEM, GEOL, PHYS) or [PSS 161](#), [PSS 264](#), [PSS 266](#), [PSS 268](#) or [PSS 269](#).

6. Env Engr Electives: [CE 218](#), [CE 220](#), [CE 226](#), [CE 250](#), [CE 259](#), [CE 260](#), all HydroGeoPhys³ and BioGeoChem⁶ Design Electives and some [CE 295](#) (Special Topics) courses (consult advisor).

7. Env Engr BioGeoChem Design Electives: [CE 247](#), [CE 251](#), [CE 253](#), [CE 255](#), [CE 256](#) and some [CE 295](#) (Special Topics) courses (consult advisor).