BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Catalogue 2018-2019

Student: **Date:**

ID #: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		CS 020 - Programming for Engineers	3	
CHEM 031 - General Chemistry I	4		PHYS 031 - Physics for Engineers I	4	
FWIL[1] (ENGS 001 / HCOL 085 / TAP)	3		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
MATH 021 - Calculus I	4		MATH 022 - Calculus II	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	
Total credits	*17*		*Total credits*	*17-18*	

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	
Total credits	*15*		*Total credits*	*15*	

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	
CE 151 - Water & Wastewater Engr.	3		CE 182 - Geotechnical Principles Lab	2	
CE 160 - Hydraulics	3		CE 254 - Environmental Qual. Analysis	4	
CE 162 - Hydraulics Lab	2		GEOL 001 or PSS 161 (Fund. of Soil Sci.)	4	
Diversity 1 or 2[3] (D1 or D2 courses)	3				
Total credits	*17*		*Total credits*	*17*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 185 - Capstone Design I	3		CE 186 - Capstone Design II	3	
HydroGeoPhys Design Elective[5]	3		BioGeoChem Design Elective[7]	3	
Science/Tech Elective[5]	3		Env Engr Elective[6]	3	
Env Engr Elective[6]	3		General Education Elective[2]	3	
Diversity 1[3] (D1 courses)	3		General Education Elective[2]	3	
Total credits	*15*		*Total credits*	*15*	

Minimum Total Credits Required for Degree: 128

1. Foundational Writing and Information Literacy (FWIL) is a University requirement. Students must take either ENGS 001 or HCOL 085 (only for students 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 (GenEd) Electives: 9 credits of approved GenEd electives.

3. Diversity courses are a University requirement. Students must take one three-credit D1 course and a second three-credit D1 or D2 course.

4. 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. Science/Technical Electives: ME 042 or any 100-level or higher course in Engineering (BME, 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 HydroGeoPhys and BioGeoChem Design Electives and some CE 295 (Special Topics) courses (consult advisor).

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

N.B. The University's Sustainability (SU) and Quantitative Reasoning (QR) requirements are built into the Environmental Engineering curriculum. CE 003, CE 132, CE 151, and CE 185 will count towards the SU requirement. The QR requirement is satisfied by any MATH course.