

**BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT
CONCENTRATION: CIVIL & ENVIRONMENTAL ENGINEERING**

**Catalogue
2016-2017**

Student: _____
ID #: _____

Date: _____
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	
EC 011 - Macroeconomics	3		CE 003 - Intro. Civil & Env. Engr.	2	
ENGR 050 - First Year Engineering Seminar [opt]	[1]		EC 012 - Microeconomics	3	
<i>Total credits</i>	<i>16-17</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		BSAD 061 - Managerial Accounting	3	
CE 010 - Geomatics	4		CE 132 - Environmental Systems	3	
MATH 121 - Calculus III	4		MATH 271 - Appl. Math. for Engr. & Sci.	3	
MATH 122 - Applied Linear Algebra	3		STAT 143 - Statistics for Engineers or STAT 211 - Statistical Methods	3	
BSAD 060 - Financial Accounting	3		General Education Elective ³	3	
<i>Total credits</i>	<i>17</i>		<i>Total credits</i>	<i>15</i>	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 100 - Mechanics of Materials	3		BSAD 120 - Mgmt. & Org. Behavior	3	
CE 133 -Transportation Systems	3		BSAD 173 - Operations Management	3	
CE 160 - Hydraulics	3		BSAD 141 - Mgmt. Information Systems	3	
CE 162 - Hydraulics Lab	2		CE 151 - Water & Wastewater Engineering	3	
BSAD 180 - Managerial Finance	3		CE 170 - Structural Analysis I	3	
<i>Total credits</i>	<i>14</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	
STAT 224 - Statistics for Qual. & Prod.	3		General Education Elective ³	3	
CE Concentration Elective ⁴	3		BSAD 270 - Quantitative Analysis	3	
CE Concentration Elective ⁴	3		Engineering Management Elective ⁵	3	
CE Concentration Elective ⁴	3		Engineering Management Elective ⁵	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. General Education: Nine credits of approved Gen Ed Electives, including the University diversity requirement (three credits of D1 and three credits of D1 or D2).

4. CE Concentration Electives: [CE 172](#), [CE 173](#), [CE 180](#), any 200-level CE course.

5. Engineering Management Electives: [BSAD 138](#), [BSAD 143](#), [BSAD 144](#), [BSAD 145](#), [BSAD 192](#), [BSAD 268](#); and [STAT 221](#), [STAT 223](#), [STAT 225](#), [STAT 229](#), [STAT 231](#), [STAT 233](#), [STAT 237](#), [STAT 253](#). (Additional course options with advisor approval).