

BACHELOR OF SCIENCE IN ENGINEERING

Catalogue

Student: _____
ID #: _____

Date: _____
Advisor: _____

2016-2017

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		ME 001/ EE 001/ CE 003 - First Year Design Experience	2-3	
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 ³	3		General Education Elective ³	3	
ENGR 050 - First Year Engineering Seminar [opt]	[1]		CS 020 - Programming for Engineers ¹	3	
<i>Total credits</i>	<i>16-17</i>		<i>Total credits</i>	<i>16-18</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
EE 003 - Linear Circ Analysis I or EE 100 - Electrical Engr. Concepts I	3/4		CE 001 - Statics	3	
Free Elective	3		ME 040 - Thermodynamics	3	
General Education Elective ³	3		Free Elective	3	
MATH 121 - Calculus III	4		MATH 271 - Appl. Math. for Engr. & Sci.	3	
PHYS 125 - Physics for Engineers II	3		STAT 143 Statistics for Engrs. or STAT 151 Applied Probability	3	
PHYS 123 - Prob. Solv. Session II [opt]	[1]				
<i>Total credits</i>	<i>16-18</i>		<i>Total credits</i>	<i>15</i>	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
Engineering Science ⁴	3		Engineering Science ⁴	3	
Engineering Science ⁴	3		Engineering Science ⁴	3	
Engineering Science ⁴	3		Engineering Science ⁴	3	
General Education Elective ³	3		General Education Elective ³	3	
BSE Technical Elective ⁵	3		Free Elective	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
Engineering Science ⁴	3		Engineering Science ⁴	3	
Engineering Science ⁴	3		Engineering Science ⁴	3	
BSE Technical Elective ⁵	3		BSE Technical Elective ⁵	3	
BSE Technical Elective ⁵	3		Free Elective	3	
ME 185/ EE 187/ CE 185 - Capstone Design I	3		ME 186/ EE 188/ CE 186 - Capstone Design II	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. Engineering Science: All CE, EE, ME and ENGR courses (except ENGR 010). Must include a minimum of 9 credits at the 200-level.
5. BSE Technical Electives: Any 100-level or higher course in CEMS or BSAD; natural or physical sciences courses with advisor approval. BSE students may not double count BSAD course as both BSE tech electives and general education electives.