

BACHELOR OF SCIENCE IN ENGINEERING

Catalogue

Student: _____
ID #: _____

Date: _____
Advisor: _____

2017-2018

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		ME 001/ EE 001/ CE 003/ BME 001 - First Year Design Experience	2	
CHEM 031 - General Chemistry I	4		PHYS 031 - Physics for Engineers I	4	
Foundational Writing and Info Literacy ¹	3		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
MATH 021 - Calculus I	4		MATH 022 - Calculus II	4	
General Education Elective ²	3		General Education Elective ²	3	
ENGR 050 - First Year Engineering Seminar [opt]	[1]		CS 020 - Programming for Engineers	3	
<i>Total credits</i>	<i>16-17</i>		<i>Total credits</i>	<i>16-17</i>	

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 ²	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	3	
PHYS 123 - Prob. Solv. Session II [opt]	[1]		STAT 151 Applied Probability		
<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 ³	3		Engineering Science ³	3	
Engineering Science ³	3		Engineering Science ³	3	
Engineering Science ³	3		Engineering Science ³	3	
General Education Elective ²	3		General Education Elective ²	3	
Technical Elective ⁴	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 ³	3		Engineering Science ³	3	
Engineering Science ³	3		Engineering Science ³	3	
Technical Elective ⁴	3		Technical Elective ⁴	3	
Technical Elective ⁴	3		Free Elective	3	
ME 185/ EE 187/ CE 185/ BME 187 - Capstone Design I ⁵	3		ME 186/ EE 188/ CE 186/ BME 188 - Capstone Design II ⁵	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

1. 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.
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. Engineering Science: All CE, EE, ME and ENGR courses (except ENGR 010). Must include a minimum of 9 credits at the 200-level.
4. 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.
5. Capstone Design I and II courses must have the same prefix.