

**BACHELOR OF SCIENCE IN ENGINEERING**

**Catalogue**

**Student:** \_\_\_\_\_  
**ID #:** \_\_\_\_\_

**Date:** \_\_\_\_\_  
**Advisor:** \_\_\_\_\_

**2015-2016**

**Year 1**

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		ME 001/ EE 001/ CE 003 - First Yr. Des. Exp.	2	
CHEM 031 - General Chemistry I <sup>1</sup>	4		PHYS 031 - Physics for Engineers I <sup>1</sup>	4	
ENGS 001 - Written Expression	3		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
MATH 021 - Calculus I <sup>1</sup>	4		MATH 022 - Calculus II <sup>1</sup>	4	
General Education Elective <sup>2</sup>	3		General Education Elective <sup>2</sup>	3	
			CS 020 - Programming for Engineers <sup>1</sup>	3	
<i>Total credits</i>	<i>16</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
EE 003 - Linear Circ Anayl I or EE 100 - Electrical Engr. Concepts I	3/4		CE 001 - Statics	3	
Free Elective	3		ME 040 - Thermodynamics	3	
General Education Elective <sup>2</sup>	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 <sup>3</sup>	3		Engineering Science <sup>3</sup>	3	
Engineering Science <sup>3</sup>	3		Engineering Science <sup>3</sup>	3	
Engineering Science <sup>3</sup>	3		Engineering Science <sup>3</sup>	3	
General Education Elective <sup>2</sup>	3		General Education Elective <sup>2</sup>	3	
BSE Technical Elective <sup>4</sup>	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 <sup>3</sup>	3		Engineering Science <sup>3</sup>	3	
Engineering Science <sup>3</sup>	3		Engineering Science <sup>3</sup>	3	
BSE Technical Elective <sup>4</sup>	3		BSE Technical Elective <sup>4</sup>	3	
BSE Technical Elective <sup>4</sup>	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. 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.

5. Senior Design credits vary depending upon program.