

# BACHELOR OF ARTS IN ENGINEERING

Catalogue

2018-2019

Student: \_\_\_\_\_

Date: \_\_\_\_\_

ID #: \_\_\_\_\_

Advisor: \_\_\_\_\_

## 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		CS 020 - Programming for Engineers	3	
FWIL <sup>1</sup> (ENGS 001 / HCOL 085 / TAP)	3		Distribution - Social Science <sup>2</sup>	3	
MATH 021 - Calculus I	4		MATH 022 - Calculus II	4	
Distribution - Social Science <sup>2</sup>	3		PHYS 031 - Physics for Engineers I	4	
ENGR 050 - First Year Engineering Seminar [opt]	[1]		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
<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 + EE 081 / EE 075 / EE 100	4/5		CE 001 - Statics	3	
Distribution - Humanities <sup>2</sup>	3		ME 040 - Thermodynamics	3	
Distribution - Humanities <sup>2</sup>	3		Engineering Science <sup>3</sup>	3	
MATH 121 - Calculus III	4		MATH 271 - Appl. Math. for Engr. & Sci.	3	
PHYS 125 - Physics for Engineers II	3		Distribution - Fine Arts <sup>2</sup>	3	
PHYS 123 - Prob. Solv. Session II [opt]	[1]				
<i>Total credits</i>	<i>17-18</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	
Free Elective	3		Free Elective	3	
Distribution - Foreign Language <sup>2</sup>	3		Distribution - Foreign Language <sup>2</sup>	3	
Minor <sup>4</sup>	3		Minor <sup>4</sup>	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
Distribution - Literature <sup>2</sup>	3		Engineering Science <sup>3</sup>	3	
Engineering Science <sup>3</sup>	3		Engineering Science <sup>3</sup>	3	
ME 185/ EE 187/ CE 185/ BME 187 - Capstone Design I <sup>5</sup>	3		ME 186/ EE 188/ CE 186/ BME 188 - Capstone Design II <sup>5</sup>	3	
Minor <sup>4</sup>	3		Minor <sup>4</sup>	3	
Minor <sup>4</sup>	3		Minor <sup>4</sup>	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

**Minimum Total Credits Required for Degree: 120**

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. Consult the Arts & Sciences portion of the online catalog for courses approved to meet the BA distribution requirements. BAE students use HSS or minor requirements to satisfy diversity requirement (three credits of D1 and three credits of D1 or D2).
  3. Engineering Science: All BME, CE, EE, ME and ENGR courses (except [ENGR 010](#)). Must have at least 9 credits at the 200-level.
  4. Minor in a liberal arts field is required.
  5. Capstone Design I and II courses must have the same prefix.
- N.B. The University's Quantitative Reasoning (QR) requirement is built into the BAE curriculum. Students should use distribution and/or minor requirements to satisfy the Sustainability (SU) requirement.