

BACHELOR OF ARTS IN ENGINEERING

**Catalogue
2019-2020**

Student: _____

Date: _____

netID: _____

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	2	
CHEM 031 - General Chemistry I	4		CS 020 - Programming for Engineers	3	
FWIL (ENGS 001/TAP/HCOL 085) ¹	3		Distribution - Social Science ³	3	
MATH 021 - Calculus I	4		MATH 022 - Calculus II	4	
Distribution - Social Science ³	3		PHYS 031 - Physics for Engineers I	4	
ENGR 050 - First Year Engr Seminar [opt]	[1]		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
Total credits	16-17		Total credits	16-17	

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 ³	3		ME 040 - Thermodynamics	3	
Distribution - Humanities ³	3		Engineering Science ⁴	3	
MATH 121 - Calculus III	4		MATH 271 - Appl Math for Engr & Sci	3	
PHYS 125 - Physics for Engineers II	3		Distribution - Fine Arts ³	3	
PHYS 123 - Prob. Solv. Session II [opt]	[1]				
Total credits	17-18		Total credits	15	

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	
Free Elective	3		Free Elective	3	
Distribution - Foreign Language ³	3		Distribution - Foreign Language ³	3	
Minor ⁵	3		Minor ⁵	3	
Total credits	15		Total credits	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
Distribution - Literature ³	3		Engineering Science ⁴ (2XX)	3	
Engineering Science ⁴ (2XX)	3		Engineering Science ⁴ (2XX)	3	
CE/ME 185 or BME/EE 187 - Capstone Design ⁶	3		CE/ME 186 or BME/EE 188 - Capstone Design ⁶	3	
Minor ⁵	3		Minor ⁵	3	
Minor ⁵	3		Minor ⁵	3	
Total credits	15		Total credits	15	

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. First Year Design: This degree requirement is designed for first-year students. Internal and external transfer students may substitute 100-level or higher engineering (BME, CE, EE, ENGR, ME) credits for this requirement.
 3. Distribution Requirements: Consult the College of Arts & Sciences portion of this catalogue for courses approved to meet the Bachelor of Arts distribution requirements. BAE students use HSS or minor requirements to satisfy diversity requirement (three credits of D1 and three credits of D1 or D2).
 4. Engineering Science Electives: All BME, CE, EE, ENGR and ME courses (except [ENGR 010](#)). Must have a minimum of 9 credits at the 200-level.
 5. Minor in a liberal arts field is required.
 6. Capstone Design I and II courses must have the same prefix.
- N.B. The University's Quantitative Reasoning (QR) requirement is built into the Engineering curriculum. Students should use distribution and/or minor requirements to satisfy the Sustainability (SU) requirement.

This document is an advising tool and should be used in combination with a student's degree audit, as well as the published Catalogue for 2019-2020 found at <http://catalogue.uvm.edu/>