

Dalhousie Engineering (Core Program 2018-2020) - Students entering third-year in **Fall 2020**

Year One

All Students

FALL 2018

1	CHEM1021	Chemistry I
2	MATH1280	Engineering Math I
3	ENGI1103	Engineering Design I
4	PHYC1190	Physics I
5	ENGM1081	Computer Programming
6	CPST1103	Technical Communications I

WINTER 2019

7	CHEM1022	Chemistry II
8	MATH1290	Engineering Math II
9	ENGI1203	Engineering Mechanics I: Statics
10	PHYC1290	Physics II
11	ENGM1041	Applied Linear Algebra
12	CPST1203	Technical Communications II

Year Two

Environmental	Chemical	Civil	Mechanical	Electrical	Mineral Resource	Industrial
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FALL 2019

13	IENG2005	Engineering Economics					
14	ENGM2101	Applied Vector Calculus					
15	ENGM2032	Applied Probability and Statistics					
16	ECED2000	Electric Circuits					
17	ENGI2102	Thermo-Fluid Engineering I					
18	Writing I**	Writing I					Approved writing course**

WINTER 2020

19	ENGI2203	Engineering Design II					
20	ENGM2022	Applied Differential Equations					
21	HSTC1801	History of Engineering II					
22	CHEE2201	Fundamentals Of Chemical Engineering		ADD			optional*
23	CHEE2203	Organic Chemistry for Chemical Engineers		ADD			optional*
24	ECED2001	Circuit Analysis					optional*
25	ECED2200	Digital Circuits					optional*
26	ENGM2283	Data Structures and Algorithms				ADD	ADD
27	IENG2201	Modelling and Optimization for Engineers					ADD
28	ENGI2400	Engineering Mechanics II: Dynamics					optional*
29	ENGI2103	Thermo-Fluid Engineering II		ADD			optional*
30	ENGI2204	Mechanics of Materials					optional*
31	MINE2200	Geology for Engineers					optional*

Discipline-specific courses

In order to proceed to year three of the BEng program in your discipline, all specified courses must be complete, and a GPA of 2.0 or above is required. Only the above courses are counted in the GPA.

** Approved writing course: any English essay writing course with arts, humanities or social science content. Language acquisition, technical content and economics are not allowed. Non-university transfer credits are not allowed.

* Industrial requires any other science or engineering science course to total three discipline-specific courses.

History of Engineering and Engineering Ethics must be covered in one or more of your courses.

Blue courses are not offered in the summer.

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