

Dalhousie Engineering Core Program (Diploma in Engineering) 2020 - 2022 for ALL students entering third-year in Fall 2022

All Students			Students with a Fall 2022 Year Three Placement in...								
Year 1 Fall Term			Year 2 Fall Term		Environmental	Chemical	Civil	Mechanical	Electrical	Industrial	
1	CHEM 1021	Chemistry I	13	ECED 2000	Electric Circuits						Required for all
2	CPST 1103	Technical Communications I	14	ENGI 2102	Thermo-Fluid Engineering I						Required for all
3	ENGI 1103	Engineering Design I	15	ENGM 2032	Applied Probability and Statistics						Required for all
4	ENGM 1081	Computer Programming	16	ENGM 2101	Applied Vector Calculus						Required for all
5	MATH 1280	Engineering Math I	17	IENG 2005	Engineering Economics						Required for all
6	PHYC 1190	Physics I	18	Writing I**	Writing I						Required for all
Year 1 Winter Term			Year 2 Winter Term								
7	CHEM 1022	Chemistry II	19	ENGI 2203	Engineering Design II						Required for all
8	CPST 1203	Technical Communications II	20	ENGM 2022	Applied Differential Equations						Required for all
9	ENGI 1203	Engineering Mechanics I: Statics	21	HIST 1971	Engineering & Society						Required for all
10	ENGM 1041	Applied Linear Algebra	22	CHEE 2201	Fundamentals of Chemical Eng.		REQUIRED				Do one of these*
11	MATH1290	Engineering Math II	23	CHEE 2203	Organic Chemistry for Chem. Eng.		REQUIRED				Do one of these*
12	PHYC 1290	Physics II	24	ECED 2001	Circuit Analysis				REQUIRED		Do one of these*
			25	ECED 2200	Digital Circuits				REQUIRED		Do one of these*
			26	ENGM 2283	Data Structures & Algorithms				REQUIRED	REQUIRED	
			27	IENG 2201	Modelling & Optimization for Eng.					REQUIRED	
			28	ENGI 2400	Engineering Mechanics II; Dynamics			REQUIRED			Do one of these*
			29	ENGI 2103	Thermo-Fluid Engineering II	REQUIRED	REQUIRED	REQUIRED	REQUIRED		Do one of these*
			30	ENGI 2204	Mechanics of Materials	REQUIRED		REQUIRED	REQUIRED		Do one of these*
			31	MINE 2200	Geology for Engineers	REQUIRED		REQUIRED			Do one of these*

In order to proceed to Year Three of the BEng program in your discipline, all specified courses must be complete and a program GPA of 2.00 or above is required. Only the above courses will be counted in the GPA

In order to proceed to Year Three of the BEng program in your discipline you must first be awarded a placement in the discipline. Students should request placement during the winter term of their first year of study. (Eg. Apply for a Fall 2022 Year 3 placement in Winter 2021). Students can request their placement by submitting the form located here: <https://go.engineering.dal.ca/dc> The application is active Feb 15 - April 30 annually.

* For Industrial Engineering: Students must complete ENGM 2283, IENG 2201 and 1 other class from the list above

** Approved writing course (please see next page). Language acquisition, technical content and economics are not allowed.

3-Jun-19

Acceptable Writing Courses

You can choose any course that says on DalOnline that it meets the “writing requirement” except ENGL1100, SCIE1111 and SUST1000 (these are disallowed for various reasons – this exception cannot be waived.)

1. The following are all the eligible writing courses for engineering:

ENGL 1005	FREN 1100
ENGL 1015	GERM1025
ENGL 1025	HIST1503
ENGL1020	HIST1022
ENGL1030	HIST1510
ENGL1040	RUSN1020

2. Please do not ask for exceptions to do any course other than the ones listed above: all requests will be rejected because this is not a waivable rule.

3. If you have a transfer credit for any of these courses taken at a university, then you can use this credit. If you did not take the writing course at a university, then you cannot use the transfer credit – we cannot waive this rule.