



10 November 2020

How Impending Changes to Chemistry Courses Will Affect Engineering Students

The Department of Chemistry will be making major changes to the courses they offer beginning in Fall 2021. Some of these courses are either core requirements or electives in programs offered by the *Price Faculty of Engineering*. Students should be aware of how these changes will affect the progress of their Engineering programs.

Beginning in Fall 2021, many existing Chemistry courses will no longer be offered, and will be replaced with new course combinations comprised of separate lecture courses and laboratory courses.

The following table describes the changes as they apply to *Engineering students* within the Price Faculty of Engineering. **Note that special consideration has been given to CHEM 1300 and CHEM 1310, as it applies to Engineering students, as explained below.**

New Chemistry Courses Starting Fall 2021

Pertaining to Price Faculty of Engineering Students

The Department of Chemistry wants to inform you that all presently offered sequential course pairs (e.g., CHEM 1300 + CHEM 1310) will be replaced in fall 2021 by a trio of courses (two lecture-based and one lab-based). You can get equivalency to the new sequential course trio **only** if you have taken the sequential course pair and have achieved a minimum grade of C in both courses. If you are unsure of what you should do, **take the Sequential Course B to maximize your opportunity in fall 2021**. If you don't take Sequential Course B before fall 2021, you will only receive equivalency for Trio Lecture Course A.

Information prepared in consultation with Prof. Horace Luong (Chemistry) and Prof. Dean McNeill (Engineering)

Discipline	Present Sequential Course Pair		Equivalence	New Sequential Course Trio		
	Sequential Course A	Sequential Course B		Trio Lecture Course A	Trio Lecture Course B	Trio Lab Course
Engineering Chem	CHEM 1300 (3)	CHEM 1310 (3)	=	CHEM 1100 (3)	CHEM 1110 (3)	CHEM 1122 (1.5)* + CHEM 1126 (1.5)*
General Chem	CHEM 1300 (3)	CHEM 1310 (3)	=	CHEM 1110 (3)	CHEM 1110 (3)	CHEM 1120 (3)
General/Organic Chem		CHEM 1320 (3)	=		CHEM 1130 (3)	
Organic Chem	CHEM 2210 (3)		=	CHEM 2100 (3)		
Biochemistry	CHEM/MBIO 2360 (3)	CHEM/MBIO 2370 (3)	=	CHEM/MBIO 2700 (3)	CHEM/MBIO 2710 (3)	CHEM 2720 (3)

***CHEM 1122 and CHEM 1126 may be taken in the same term.**



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How Should Engineering Students Proceed?

Both CHEM 1300 and CHEM 1310 will be offered in Winter 2021, but will no longer be offered beginning in Fall 2021. Engineering students who require one or both of these course and who have not yet completed them, may take them in Winter 2021 (subject to regular space limitations).

For Engineering students, beginning in Fall 2021:

- CHEM 1300 is replaced by CHEM 1100 (lecture course) AND CHEM 1122 (laboratory course);
- CHEM 1310 is replaced by CHEM 1110 (lecture course) AND CHEM 1126 (laboratory course).

NOTE: CHEM 1122 and CHEM 1126 are available for Engineering students only. Science and U1 students who have taken CHEM 1120 will be given credit for CHEM 1122 and CHEM 1126 upon admission to the Price Faculty of Engineering.

What will students do then if they hold credit for CHEM 1300 now and do not complete 1310 in the Winter 2021 term?

Students who currently require CHEM 1310 as part of their program will take both CHEM 1110 and CHEM 1126.

Where possible, we encourage *Price Faculty of Engineering* students to take CHEM 1310 in the Winter 2021 term or perhaps in the summer to avoid needing to take an additional chemistry course to meet the chemistry requirement.

Please contact your departmental student advisor for confirmation of CHEM courses required for specific departments.

List of new chemistry courses with descriptions (Faculty of Science link):

<https://sci.umanitoba.ca/chemistry/course-and-program-changes-starting-fall-2021>

Best Regards,

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