

DR. GERALD NIZNICK COLLEGE OF DENTISTRY

Fall 2022 Admission Requirement Update

The Department of Chemistry at the University of Manitoba has restructured its course offerings as of the Fall 2021 term. Included in these changes are a number of prerequisite core courses for admission to the Dr. Gerald Niznick College of Dentistry undergraduate program in the Introductory Chemistry, Organic Chemistry, and Biochemistry subject areas.

The updated required courses effective for the Fall 2022 intake, including the new Chemistry courses, are listed in the table below. It is important to review this document in conjunction with the [Applicant Information Bulletin](#) to ensure that you have understood all admission requirements and policies for the intake for which you apply.

CORE COURSES			
	University of Manitoba	University of Winnipeg	Brandon University
Introductory Chemistry	CHEM 1100 and 1110 and 1120 ¹	CHEM 1101/6 or CHEM 1111/3 and 1112/3	18.160 and 18.170
Organic Chemistry	CHEM 2100 and 2110 and 2122 ²	CHEM 2201/6 or CHEM 1206/6 or CHEM 2202/3 and 2203/3	18.261 and 18.271
Biochemistry	CHEM 2700 and 2710 and 2720 ³	CHEM 3501/6 or CHEM 3502/3 and 3503/3	18.363 and 18.373
Physics	PHYS 1020 and 1030 or PHYS 1050 and 1070	PHYS 1301/6 or PHYS 1101/6	74.151 and 74.152 or 74.161 and 74.162
Biology	BIOL 1020 and 1030	BIOL 1111/6 or BIOL 1115/3 and 1116/3	14.162 and 14.162 or 94.162 and 94.163 or 15.162 and 15.163

OTHER COURSES	
English	One full year or two half year, university degree-level English course (ENGL) offered through the English department
Humanities / Social Sciences⁴	One full year or two half year courses (must be in the non-applied Sciences or non-pure Sciences)
Other	The remaining 3 full year courses or 6 half year courses are your electives. We do not recommend specific courses.

¹The former CHEM 1300 and CHEM 1310 in combination can be used in lieu of CHEM 1100 and 1110 and 1120. Students having completed only CHEM 1300 must complete CHEM 1110 and 1120 to fulfill the Introductory Chemistry requirement.

²The former CHEM 2210 and CHEM 2220 in combination can be used in lieu of CHEM 2100 and 2110 and 2122. Students having completed only CHEM 2210 must complete CHEM 2110 and 2122 to fulfill the Organic Chemistry requirement.

³The former CHEM 2360 and CHEM 2370 in combination can be used in lieu of CHEM 2700 and 2710 and 2720. Students having completed only CHEM 2360 must complete CHEM 2710 and 2720 to fulfill the Biochemistry requirement.

⁴The designation of Humanities/Social Science courses can be found on the [Faculty of Arts](#) website