

Biomedical Laboratory Technology Program Recommendations to Applicants

These recommendations are from the Biomedical Laboratory Technology Department and are intended to help you improve your chances of admission and your preparation for successful studies in the Biomedical Laboratory Technology Program.

Language requirement

- Candidates must be eligible to take College English 603-101 (Testing may be required)
- Candidates must be eligible to take Basic French 602-100 (Testing may be required)

Education

Quebec

Your situation	Recommendation (advice to applicants)	
<p>You have completed secondary studies and you have completed these courses (or more advanced) within the last 5 years:</p> <p style="padding-left: 20px;">Math IV Chemistry V Physics V</p>	<ul style="list-style-type: none"> • You are admissible. • You may be interviewed depending on the strength of your grades. • Preference is given to candidates with Math V (Science or Technical Science stream) 	
<p>You have completed secondary studies and you have completed these courses: Math IV or V Chemistry V Physics V</p> <p>However, it has been more than 5 years since you have studied any Science or Math (secondary or post-secondary level).</p>	<ul style="list-style-type: none"> • Preference is given to candidates who have completed the pre-requisite courses within the last 5 years. Preference is also given to candidates who have completed Math V (Science or Technical Science stream) • We strongly recommend that you refresh your Chemistry and Math knowledge or we may test your pre-requisite knowledge. You may not be given an interview unless there is some evidence that you have adequate pre-requisite knowledge (by testing or refresher courses). • You can take refresher courses through Continuing Education or through Adult Education. • If you are missing any courses (Math or Science), we strongly recommend that you take them through Continuing Education (at Dawson or any cegep) or Adult Education. 	
	<p><u>Cont Ed (cegep) courses to refresh:</u> Chemistry V Math IV or V</p>	<p><u>Adult Ed courses to refresh:</u> All courses (Chem 534, Math 526, Physics 534)</p>

Canada

Your situation	Recommendation (advice to applicants)	
<p>You have completed grade 11 or 12 Chemistry, Math, Physics (or more advanced post-secondary courses) within the last 5 years</p>	<ul style="list-style-type: none"> • We may test your knowledge to confirm that your courses are equivalent in content to Quebec courses. These tests would be given during the admissions process. • If you are missing any courses (Math or Science), we strongly recommend that you take them through Continuing Education (at Dawson or any cegep) or Adult Education. • You may also be tested for French language skills. 	
<p>You have completed grade 11 or 12 Chemistry, Math, Physics (or more advanced post-secondary courses).</p> <p>However, it has been more than 5 years since you have studied any Science or Math (secondary or post-secondary level).</p>	<ul style="list-style-type: none"> • Preference is given to candidates who have completed the pre-requisite courses within the last 5 years. • We strongly recommend that you refresh your Chemistry and Math knowledge by taking refresher courses through Continuing Education (at Dawson or any cegep) or Adult Education. • Alternatively, we may test your Chemistry and Math knowledge. These tests would be given during the admissions process. • You may not be given an interview unless there is some evidence that you have adequate pre-requisite knowledge (by testing or refresher courses). • If you are missing any courses (Math or Science), we strongly recommend that you take them through Continuing Education (at Dawson or any cegep) or Adult Education. • You may also be tested for French language skills. 	

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Foreign

Your situation	Recommendation (advice to applicants)	
You have completed high school (or more advanced post-secondary courses) with in the last 5 years: Math Chemistry Physics	<ul style="list-style-type: none"> • We recommend that you re-take some math/science courses in Canada through Continuing Education (at Dawson or any cegep) or Adult Education. This will enable us to assess your qualification. You may be refused on the basis of better qualified candidates. • Alternatively, we may test your pre-requisite knowledge. These tests would be given during the admissions process. • You will also be tested for both English and French language skills. 	
You have completed high school (or more advanced post-secondary courses): Math Chemistry Physics However, it has been more than 5 years since you have studied any Math or Science (secondary or post-secondary level).	<ul style="list-style-type: none"> • Preference is given to candidates who have completed the pre-requisite courses within the last 5 years. • We strongly recommend that you refresh your Chemistry and Math knowledge by taking courses through Continuing Education (at Dawson or any cegep) or Adult Education. • You may not be given an interview unless there is some evidence that you have adequate pre-requisite knowledge (by testing or refresher courses). • If you are missing any courses (Math or Science), we strongly recommend that you take them through Continuing Education (at Dawson or any cegep) or Adult Education. • You will also be tested for English and French language skills. 	
	<u>Cont Ed (cegep) courses to refresh:</u> Chemistry V Math IV or V	<u>Adult Ed courses to refresh:</u> All courses (Chem 534 Math 526, Physics 534)

Additional recommendations:

- If your language skills in either English or French are not strong enough for College studies, you should take the appropriate preparatory language courses through Continuing Education.
- Although not a pre-requisite, taking a Biology course through Continuing Education will strengthen your understanding of concepts in Human Biology. This would help you form a basic foundation for your future studies in Biomedical Laboratory courses.

Resources:

- Chemistry review packages are on the Program webpage on the Dawson College website (www.dawsoncollege.qc.ca). These review packages can help you assess their Chemistry pre-requisite knowledge. If this material is not familiar to you, you should re-take a Chemistry course before applying to the Program.
- YouTube Physics modules from Khan Academy (<http://www.youtube.com/user/khanacademy> or <https://www.khanacademy.org/>) on selected topics (electrostatics; waves – amplitude, frequency and wavelength; optics – reflection, refraction, lenses, object image and focal distance)
- Massive open on-line courses (MOOC) (<https://www.mooc-list.com/countrys/canada>)
 Listings of free, open, on-line courses on different subjects offered by educational institutions across Canada.

For Biology courses, search for Anatomy/Physiology, such as:

Introductory Human Physiology from Duke University (Delivered by Coursera)

<https://www.mooc-list.com/course/introductory-human-physiology-coursera>

The goal of this course is to provide an introduction to human physiology. The students learn to recognize and explain the basic concepts that govern each organ and organ system and their integration to maintain homeostasis, as well as some clinical aspects of failure of these systems. The organ systems covered include: nervous, muscle, cardiovascular, respiratory, endocrine, male and female reproductive, gastrointestinal, and urinary.