



UNIVERSITY OF TORONTO  
LESLIE DAN FACULTY OF PHARMACY


**2022-2023**

**PHARMD  
APPLICATION  
HANDBOOK**



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# PharmD

## Leslie Dan Faculty of Pharmacy

### University of Toronto

#### Admissions Handbook

Thank you for your interest in the PharmD program at the Leslie Dan Faculty of Pharmacy at the University of Toronto. There are many details related to our admissions requirements and application procedures which you will need to be familiar with.

If you are currently a high school student, we suggest you begin by viewing information at the following link - [Information for High School Students and Guidance Counsellors](#). Note that as a second-entry professional program, we admit only from the university level. Applicants normally first become eligible to apply during their second year of university level study.

Admissions requirements are the same for all – this includes current university students or those who have already graduated from any university level program (undergraduate, graduate or professional program). Because our Doctor of Pharmacy (PharmD) program is a second-entry undergraduate professional program, it is not necessary to complete a first degree to apply; completion of degree requirements does not provide any advantage in our selection process. You may readily meet the academic requirements, as published for the 2023 admission cycle, within your first two years of university level study.

This Handbook is a supplement to the various sections of our website. Its main purpose is to provide details related to the subject requirements and to help you organize all of the information you will need to enter on the PharmD online application (as outlined in the 'Worksheet' included in this Handbook). Prior to submitting the online application it is important to carefully review all relevant sections of our website.

**NOTE: The information given in the current version of this Handbook provides details of the academic requirements for entry to the PharmD program in September 2023.**

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# Guidelines for required subjects for admission in September 2023

Among the requirements detailed in the [Admissions Overview](#) and [Application Process](#) sections of our website, all eligible applicants must meet minimum academic requirements as outlined in the **Academic Requirements** section. The academic requirements may normally be completed within two years of university study.

Academic requirements – successful completion of the minimum number of FCE requirements in the 4 subject areas listed below, within a minimum total of 8 FCEs, with an overall university average not less than 70% - must be completed by the end of April 2023 (i.e. end of the second term of the 2022-23 academic year) to ensure the final grades will be reported to our office no later than the final transcript deadline. Summer courses taken in the same year for which you are applying cannot be considered as the grades are issued after the final transcript deadline.

In addition to other published criteria, and regardless of other academic credentials and/or work/personal experience, candidates with previous registration in a Pharmacy program must have been in good standing during the most recent session/year of the Pharmacy program to be eligible for admission consideration.

The following table identifies the 4 subject areas that must be completed at the university level, within 10 years of the year for which you are applying (i.e. all required subjects must have been taken fall 2013 or later for the 2023 admission cycle). The table provides examples of U of Toronto St. George campus courses that could be used to meet these requirements. The subject requirements have changed from pre-2021 admission cycles to be fewer and less specific. As such, a very broad range of courses, from any year level of study in each area, may be used to meet the requirements.

There are, however, restrictions in each subject area you must note as given in the 'Academic Requirements' section and in the section below – for example, bridging courses offered for those without the appropriate high school pre-requisites, or courses that are exclusions for one another cannot be used in meeting requirements. The listing below, and the accompanying course table provided, give examples of the courses that would most commonly be completed as part of any Life or Physical Science program within the first two years of university and will meet our subject requirements.

**For examples of course codes that will meet the required subject areas at all Ontario universities, including all three University of Toronto campuses, (as well as some non-Ontario post-secondary institutions) please [click here](#) or refer to the table below. Details of each follow.**

**Note: FCE = full-credit equivalent. 1.0 FCE = 2 terms/semesters**

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# Guidelines for required subjects for admission in September 2023

## Biology

- Minimum of 1.0 FCE (2 terms/semesters) at the university level
- Laboratory component not required. (Note: Although a lab component is not required, most universities offer courses that automatically include labs which will comprise part of your mark in the course. In these cases you cannot opt out of the lab component. Only at universities where lectures and labs are offered independently of each other, i.e. as separate courses for which separate grades are reported, may you opt to take only the lecture portion.)
- Introductory or upper year courses are acceptable – this includes a broad range of subject material, but excluding courses in Anatomy / Physiology. High school bridging courses do not meet this requirement
- Courses that are considered bridging/upgrading courses (containing all or mostly secondary school material) do not meet any part of this requirement.
- Biology credits offered for non-science students do not meet this requirement
- Courses that are exclusions will not count toward the requirement.

### Example of acceptable courses:

[BIO120H](#) + [BIO130H](#) (or former BIO150Y) at University of Toronto St. George campus

## Chemistry

- Minimum of 1.5 FCEs (3 terms/semesters) at the university level
- Laboratory component not required. (Note: Although a lab component is not required, most universities offer courses that automatically include labs which will comprise part of your mark in the course. In these cases you cannot opt out of the lab component. Only at universities where lectures and labs are offered independently of each other, i.e. as separate courses for which separate grades are reported, may you opt to take only the lecture portion.)
- Introductory or upper year courses are acceptable.
- Courses that are considered bridging/upgrading courses (containing a substantial amount of secondary school material) do not meet any part of this requirement
- Chemistry credits offered for non-science students do not meet this requirement
- Biochemistry courses do not meet this requirement
- Courses that are exclusions will not count toward the requirement

### Example of acceptable courses:

Chem [CHM135H1](#) (or former 139H1) + [CHM136H1](#) (or former 138H1) + [CHM247H](#) at U of Toronto St. George campus

## Mathematics

*(Statistics courses cannot be used in fulfilment of this requirement)*

- Minimum of 1.0 FCE (2 terms/semesters) at university level
- At least 0.5 FCE (one term) must be university level Calculus
- Statistics courses are not acceptable
- Courses that are considered bridging / upgrading courses (containing a substantial amount of secondary school material) do not meet any part of this requirement

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# Guidelines for required subjects for admission in September 2023

- Various math courses designed for non-science students (including but not limited to courses such as Financial Math and Numerical Literacy) are not acceptable
- Advanced Placement and GCE 'A' level Math do not meet this requirement
- Courses that are exclusions will not count toward the requirement
- Placement tests (that may be associated with advanced high school credits) will not be considered

## Example of acceptable courses:

[MAT135H1](#) + [MAT136H1](#) (or former MAT135Y1) at University of Toronto St. George

## Humanities / Social Science

*(Language courses are not acceptable in fulfilment of this requirement)*

- Minimum of 1.0 FCE (2 terms/semesters)
- Courses can be introductory or advanced level
- You may combine one term/semester of Humanities with one term/semester of Social Sciences, or two terms/semesters in the same discipline or subject area
- Language courses are excluded.
- A wide range of Humanities and Social Science courses are acceptable. Generally, acceptable
  - Anthropology (excluding Physical Sciences)
  - Classics (excluding languages)
  - Criminology
  - Economics
  - English (excluding English second-language courses)
  - Geography (Human Geography)
  - History
  - Jewish Studies
  - Linguistics (excluding those classed as Science)
  - Music
  - Philosophy
  - Political Science
  - Psychology (Introductory only)
  - Religion
  - Sociology
- Most U of Toronto seminar courses (excluding SCI and interdisciplinary courses which have a science component)
- Most U of Toronto UNI, TRN, SMC, WDW and VIC courses
- Women and Gender Studies

## Some exceptions to the courses listed above include:

- Upper year courses in some disciplines (such as Sociology and Economics) may be Statistics courses which would not be acceptable for purposes of meeting this requirement.

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# Guidelines for required subjects for admission in September 2023

- Courses offered under disciplines such as History or Classics, but which are language courses (e.g. Indigenous Languages under 'History' or Latin or Greek under 'Classics') are not acceptable.
- Philosophy courses which are math based such as Modern Symbolic Logic (PHL245H1 at U of Toronto) are not acceptable.

## Exclusions

The following subject areas, or courses under other disciplines which offer similar material, do not fulfill the Humanities/Social Science subject requirement: Accounting, Astronomy, Computer Science, Geology, Languages, Life Sciences, Mathematics, Statistics, Physical Education, Physical Sciences, Report/Technical Writing, U of Toronto 'SCI' seminar courses or courses that are interdisciplinary with a science component.

## Other Educational Systems

- Courses from educational systems such as IB (Higher Levels), Advanced Placement exams, GCE 'A' levels (UK or equivalent examining authorities), and CEGEP (Quebec), may be considered in meeting all or part of the Humanities/Social Science subject requirement depending on course taken and results obtained.
- If you studied in a system other than the Ontario/Canadian university system refer to the Information for Candidates from various educational systems section of the website, which contains information related to various systems such as CEGEP, AP, IB and GCE studies as well as Ontario community college studies.
- In all cases where studies have been undertaken in various educational systems, equivalence to University credit will be based on current University of Toronto, Faculty of Arts and Science guidelines.

# Course Codes – Examples at some Canadian universities – for admission in September 2023

This table lists examples of courses at Ontario universities, in addition to some non-Ontario institutions for which we commonly get inquiries. If you complete the logical combination/sequence of courses (2 or 3 terms/semesters) at the first year level for Math and Biology, and first and second year courses in Chemistry, this is sufficient in meeting the Biology, Chemistry and Math requirements.

For example, a logical sequence would be General Biology I and II, Calculus I and II and General Chemistry I and II plus Organic Chemistry I (or General Chemistry with Organic Chemistry I and II). The courses listed are suggestions of typical course combinations that may be used to meet the specific subject areas and which are most commonly required, at the first and second year level, for most science programs. If you have already completed more than 2 years of university, and you have completed upper year courses in the required subject areas, you may opt to list them instead; however, listing upper year courses is not necessary and does not advantage your application.

You must complete the minimum number of FCEs in each subject area as indicated. There is no specific required course content (other than Math that must include at least 0.5 FCE Calculus); however, it is important to note the restrictions as given in the section above and in the 'Academic Requirements' section. To return to the 'Academic Requirements' section for details (including restrictions) [click here](#).

We have listed below the suggested combination of courses for each of the required subject areas. Where a '+' sign is indicated you would complete the combination of 2 or 3 courses. A forward slash ('/') designates 'or'.

**Humanities/Social Science (1.0 FCE – i.e. minimum of two terms/semesters at university)** is also required, but not listed on the table below as there is a wide selection to choose from. Refer to the Academic Requirements section for details.

*Information available as of July 2022 - Updates may be made as new information on course codes becomes available*

Biology - 1.0 FCE	Chemistry - 1.5 FCE	Math - 1.0 FCE ( including 0.5 FCE Calculus)
<ul style="list-style-type: none"> <li>• Minimum of 2 terms / semesters - labs not required</li> <li>• The examples listed in the chart below are 1st year Intro / General Bio which are most commonly required for science programs</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum of 3 terms/ semesters – labs not required</li> <li>• The examples listed below are 1st year Intro/General Chemistry and Organic Chem which are most commonly required for science programs</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum of 2 terms/ semesters</li> <li>• The examples listed are for 1st year Calculus, most commonly required for science programs; note Statistics courses may NOT be used)</li> </ul>



## Course Codes – Examples at some Canadian universities – for admission in September 2023

University	Biology - 1.0 FCE	Chemistry - 1.5 FCE	Math - 1.0 FCE ( including 0.5 FCE Calculus)
Algoma	BIOL 1506 + BIOL 1507 Or former BIOL 1021 + 1022	CHMI 1006 + 1007 + CHMI2426	MATH 1036 + 1037
Athabasca (Alberta) NOTE: Challenge for credit is not acceptable	BIOL 204 + 205 (or +207)	CHEM 217 + 218 + Chem 350	Math 265 + 266
Brock	BIOL1P91 + 1P92 OR former Biol 1F90	Chem1P91 + 1P92 + 2P20 ) Or former Chem 1F92 + 2P20	Math 1P05 +1P06 Or 1P01 +1P02
U of British Columbia	BIOL 112 + 121 Or former BIOL 115/110 + 120 (or +121)  Or BIOL 116 + 125 (Okanagan)	Chem 121 + 123 + 233 (or +203) Or Chem 111 + 113 +233 (or +203)	Math 102 + 103 Or Math 120 + 121 Or 100 + 101/103 Or Math 104 + 105
Carelon	BIOL 1103 + 1104 Or former BIOL 1003+1004	Chem1001 (or 1005) + 1002 (or +1006) + 2203	Math 1007+2007
CEGEP (Quebec)	General Biology I and II (course codes with prefix '101')	General chemistry + Chemistry of Solutions + Organic Chem (course codes with prefix '202')	Calculus I and II (course codes with prefix '201')
Guelph	Any two of: BIOL1050, 1070, 1080, 1090	Chem 1040 +1050 + 2700	Math1200 +1210 Or 1080+1090 (or + former 2080)

## Course Codes – Examples at some Canadian universities – for admission in September 2023

University	Biology - 1.0 FCE	Chemistry - 1.5 FCE	Math - 1.0 FCE ( including 0.5 FCE Calculus)
Lakehead	Biology 1110+1130	Chem 1110+1130 + 2211 or former Chem 1101 + 2211	Math 1171 + 1172 Or Math 1151 + 1152
Laurentian	Biol 1506+1507	CHMI1006+1007 + 2426	Math 1036 +1037
McGill (Quebec)	BIOL 111 + 112	Chem 110 + 120 + 212	Math 140 + 141
McMaster	Biol 1A03 + 1M03 Or Hlth Sci 1106	Chem 1A03 + 1AA3 + (one of either 20A3 or 20G3, or former 20C3)	Math 1A03 + 1AA3 Or Math 1LS3 + 1LT3
Nipissing	Biol 1006 + 1007	Chem1006 + 1007 + 2306	Math1036 + 1037
Ottawa	Bio 1130 + 1140 OR Bio 1530 + 1540	Chm 1311 or 1301 + 1321 + 2120 Or Chm 1711 (or 1701) + 1721 + 2520	Math 1320 + 1322 Or 1330 + 1332 Or 1720 + 1722 Or 1730 + 1732
Queen's	Biol 102 + 103	Chem 112 + 281 Or Online versions Chem 113 + 114 + 281	Math 120 or 121, Or Math 123+124
Toronto Metropolitan University (Ryerson)	BLG (or CBLG) 143 + 144	CHY103 (or CCHY103) (or CKCH106) + CHY113 (or CKCH113) + CHY142 (or CKCH142)	MTH/CMTH 131+231 Or MTH140+240 Or MTH/CMTH207 + 310

## Course Codes – Examples at some Canadian universities – for admission in September 2023

University	Biology - 1.0 FCE	Chemistry - 1.5 FCE	Math - 1.0 FCE ( including 0.5 FCE Calculus)
Toronto (St. George)	BIO120H1 + 130H1	CHM135H1 + 136H1 + 247H1 (or + 249H1) Or CHM151Y1 + 247H1 (or + 249H1) Or former CHM139H1 + 138H1 + 247H1 (or + 249)	MAT135H1 + 136H1 Or 137Y1
Toronto (at Mississauga)	BIO152H5 + 153H5	CHM110H5 + 120H5 + 242H5	MAT132H5 + 134H5 Or MAT 135H5 + 136H5 Or MAT137Y5 Or former: MAT134Y5 or 135Y5
Toronto (at Scarborough)	BIOA01H3 + A02H3	CHMA10H3 + A11H3 + CHMB41H3/B43Y3	MATA30H3 + A36H3 Or MATA31H3 + A37H3 Or MATA29H3 + A35H3
University of Ontario Institute of Technology (Ontario Tech University)	Biol 1010U +1020U	CHM1010U +1020U + 2020U	MAT1010U (or 1000U) +1020U
Trent	Biol 1020H +1030H	Chem1000H + 1010H + 2100H	MATH1110H + 1120H
Waterloo	Any two of : BIOL 120, 130, 239, 240 Or, the former BIOL 110 or 112 may be used in combination or with any of the above Or the former 139 or 140 may be used in combination or with 120 or 130	Chem120 +123 + 264 (or + 266)	Math 127 + 128 Or 137 + 138 Or 147 + 148

## Course Codes – Examples at some Canadian universities – for admission in September 2023

University	Biology - 1.0 FCE	Chemistry - 1.5 FCE	Math - 1.0 FCE ( including 0.5 FCE Calculus)
Western U (Univ of Western Ontario)	Biology 1001a + 1002b Or 1201a + 1202b  [Biology 1225 and 1229a/b are NOT acceptable]	Chemistry 1301a/b + 1302a/b + 2273a (or +2213a/b) Or former Chemistry 1100a/b + 1200b + 2273a (or +2213a/b)	(Calculus 1000a/b + (1501a/b or 1301 a/b)
Wilfrid Laurier	BI 110 + 111	CH110 + 111 + 202	MA103 + MA104 Or (MA100 + 101) + MA 104  Note that MA 100 + 101 will be accepted as 0.5 FCE only  Or former MA110
Windsor	BIOL1111 + 1101 Or former 55-140 + 141	CHEM1100 + 1110 + 2300 Or former Chem59-140 + 59-141 + 59-230	(Math 1720 or 1760) +1730 Or (former 62-140 or 62-139) + 62-141
York	SC/Biol1000 3.0 + 1001 3.0	CHM1000 3.0 + 1001 3.0 + 2020 3.0/former 2020 6.0	Math 1013 3.0 + 1014 3.0 Or 1300 3.0 + 1310 3.0 Or GL Math 1930 3.0 + 1940 3.0

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# Pre-Application Guidelines

**The information provided below applies to all prospective applicants including those who have completed some or all of their education outside of Ontario, including international students or those who have studied in various worldwide educational systems.**

Using the information provided above, and in the '[Academic Requirements](#)' section determine which courses to list on the Required Subjects page of the application.

- Compare the information provided, regarding the required subject areas, with the courses you have completed to determine, to the best of your ability, if your courses align with the required subject areas (i.e. minimum of 1.0 FCE Biology, 1.5 FCEs Chemistry, 1.0 FCE Math, including at least 0.5 Calculus, plus 1.0 FCE Humanities/Social Science). Ensure to make note of the restrictions given in the Guidelines for Required Subjects section above. If you have the minimum number of FCEs in each, and you have completed (or will be completing by April of the year you are applying) a total of at least 8.0 FCEs with a minimum cumulative average of at least 70%, you will meet the minimum published academic requirements for initial consideration.
- If you studied in a system other than the Ontario/Canadian university system refer to the [Information for Applicants from various educational systems](#), which contains information related to Ontario community college studies, as well as CEGEP, AP, IB and GCE studies.

In all cases where studies have been undertaken in various educational systems, equivalence to University credit will be based on current University of Toronto, Faculty of Arts and Science guidelines.

- It is suggested that you compile a list of courses, or use the 'Required Subjects' page of the Worksheet from this Handbook to help you organize your course information. To meet the FCE requirements listed above, you need at least two terms/semesters of each required subject area, except for Chemistry where you need at least 3 terms/semesters.

If you require further guidance please email the PharmD Admissions Office at [adm.phm@utoronto.ca](mailto:adm.phm@utoronto.ca) with the subject line 'Academic eligibility'. Depending on the nature of the inquiry we may require a copy of your transcript and/or course outlines.

We encourage you to contact our office for assistance if you need guidance; however, the Faculty cannot conduct a formal review of academic qualifications until after an official application has been submitted. Any preliminary assessment is for guidance purposes only.

While every effort will be made to respond to inquiries in a timely manner, prospective applicants should understand that there are many factors that influence response times and therefore must send inquiries, along with any required information, well in advance of applicable deadlines. We are currently answering inquiries primarily through e-mail, but we can arrange phone, video-conferencing or in-person meeting as may be needed in some individual cases. All initial requests must be sent via e-mail ([adm.phm@utoronto.ca](mailto:adm.phm@utoronto.ca)) and our office will follow up as appropriate.

As well, remember that you must comply with all other admission requirements which are applicable to the year for which you are applying, e.g. minimum university average, minimum required number of required FCEs, CASPer test, as well as the online Individual Assessment and (where applicable) English facility test requirements. All Applicants must meet all published requirements to be eligible for admissions consideration; there are no exceptions.

All qualified candidates are welcome to apply for admission to the Doctor of Pharmacy (PharmD) program at the Leslie Dan Faculty of Pharmacy. This includes domestic non-Ontario residents and international students. Within the class of approximately 240 students there is no limit to the number of qualified non-Ontario residents, including international students, who may be admitted.

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## Candidates with previous registration in a pharmacy program

Candidates who have previous registration in a Pharmacy program, whether in Canada or elsewhere, must meet all published requirements and must comply with all admissions procedures and deadlines. Qualified applicants will be considered for entry to Year 1 of our PharmD program – there is no direct entry to upper years.

Candidates who have graduated from a Pharmacy program outside Canada and who wish to become licensed in Canada must follow the procedures as set out by the [Pharmacy Examining Board of Canada \(PEBC\)](#). If your credentials are recognized you will be eligible to write the relevant Board Exams (Evaluating and/or Qualifying Exams). For more information on this process, please visit the PEBC website at [www.pebc.ca](http://www.pebc.ca). The Leslie Dan Faculty of Pharmacy does not conduct evaluations of foreign Pharmacy degrees.

If you have completed a recognized Pharmacy degree program (i.e. recognized by the PEBC) you would not normally need to apply to our PharmD program. Instead, there are other programs such as the [International Pharmacy Graduate Program \(IPG\)](#), the [PharmD for Pharmacists program](#), as well the professional [Master of Science in Pharmacy program](#) (MScPhm), any of which would normally be more appropriate, depending on how far you are in the PEBC licensing process, and on your individual goals.

For additional information, please refer to [Candidates with Previous Registration in a Pharmacy Program](#). You may also access a PDF document, which includes some frequently asked questions we have prepared by [clicking here](#).