

**BACHELOR OF SCIENCE – PRE-PROFESSIONAL PHARMACY
UNIVERSITY OF ALBERTA
DONALD SCHOOL OF BUSINESS, SCIENCE AND TECHNOLOGY**

UPDATED: April 2022

You are responsible for ensuring that your registration is complete and appropriate and that your course choices comply with the program to which you have been admitted at Red Deer Polytechnic and/or to the university to which you wish to transfer (if applicable). You are cautioned that any changes to your courses, your major or your transfer destination may adversely affect your transferable credit (if applicable), admission requirements for future programs, or eligibility to graduate from Red Deer Polytechnic. Please consult with an Advisor if you have any questions.

Students in university transfer programs are strongly advised to refer to the calendar of the university to which they wish to transfer and should contact appropriate university departments as required.

ADMISSION REQUIREMENTS AND PROGRAM DESCRIPTION

- See the Academic Calendar of your goal institution for admission requirements to their program

WHAT IS THIS GUIDE?

- This is an Academic Planning Guide, prepared by the Student Connect Centre to help you register for courses towards your desired program.
- If you are transferring to another institution to complete your degree, we strongly advise that you read the Academic Calendar of your destination institution for full information.

WHAT IS THE PRE-PROFESSIONAL PROGRAM PHARMACY PROGRAM AT RDP?

- Pre-Professional Programs at RDP are starting points to help students understand, and work towards, future admission into programs such as the Doctor of Pharmacy program (PharmD) at University of Alberta (UAlberta).
- Students are eligible to apply to PharmD after two years of appropriate study, however, student should know that it is not uncommon to gain admission after completion of a four-year baccalaureate degree.
 - This program is very competitive and admission is not guaranteed.
 - RDP Pre-Professional Program recommends students pursue an undergraduate baccalaureate degree in an area of their interest, while taking courses to work towards being eligible to apply to the PharmD program.

HOW DO I BECOME ELIGIBLE TO APPLY TO PHARMD AT UALBERTA?

Please read the UAlberta [PharmD admission requirements](#). It is your responsibility to understand these admission requirements as this guide will provide basic information to help you start your studies. There are countless ways to work towards PharmD admission, and each student's pathway will be unique.

- Academically, applicants must complete 60 credit units of University transferable work including the [prerequisite courses](#) listed in the admission link above.

- Recent overall GPA, performance in Biological Science pre-requisite courses, and performance in the heaviest credit weight year are some of the factors that contribute to overall ranking.
- Students who present an overall GPA lower than 3.1 will not be considered for admission. Alberta students who present an overall GPA of 3.5 or out-of-province students who present a 3.7 or higher, are best placed for competitive admission.
- It is preferable that 30 credit units is taken in at least one academic year (September to April).
- For more information on the academic and non-academic requirements, interview information, the selection process and important dates, please refer to the [PharmD website](#).

HOW DO I CHOOSE COURSES?

- Ultimately, we want to encourage students to pursue a four-year baccalaureate degree. This degree can be in any discipline, however, all required pre-requisite courses will need to be completed before being eligible to apply into UAlberta PharmD.
- For students who are not sure of a degree, this guide will present recommended courses based on the first year of a General Science Degree, tailored to help meet some PharmD requirements We recommend students choose a preferred degree by the start of their second year.
- If you would like to stay at RDP to complete a four-year degree, you can in our Bachelor of Science Biological Sciences degree!

WHAT IS A TERM? TERMS ARE THE PERIOD IN WHICH YOUR STUDIES TAKE PLACE. AT RDP, WE OFFER FOUR TERMS.

- Fall term (September through December)
- Winter Term (January through April)
- Spring term (May through June): Spring term is an optional, condensed term. Course offerings are limited.
- Summer Term (July through August): Summer term is an optional, condensed term. Course offerings are limited.

HOW MANY COURSES SHOULD I TAKE A TERM?

- The traditional path you will see is 5 courses per term, 10 total (5 in the Fall, 5 in the Winter).
- It is recommended students take a full course load (5 courses per term) where possible.
- When determining your course load keep your funding in mind, if applicable. For course load requirements for funding purposes, please visit www.rdpolytech.ca/psfunding.

WHAT HAPPENS IF I TAKE LESS THAN 10 COURSES A YEAR?

- You may need an extra term or year to complete your program.
- Your admission may be impacted if you do not have at least one academic year with 30 credit units.

WHAT IF I COMPLETED COURSES AT ANOTHER POST-SECONDARY INSTITUTION?

Once you are admitted to RDP, you can then apply to have your post-secondary courses assessed for transfer credit through our [Recognition of Prior Learning Office](#). Once admitted to RDP you can complete an [RPL application form](#), provide the Polytechnic Assessors with any and all transcripts, course outlines/descriptions, or other documentation necessary to support your PLAR application.

NOTE: To qualify for a Red Deer Polytechnic program credential, students must complete at least 50% of the credit requirements for the credential through enrolment in RDP courses.

REGISTRATION AND PROGRAM AUDIT

- Refer to the **Registration** tab on your Loop account to view **Registration Tips and Tricks** for information on:
 - Registering in classes
 - Waitlisting
 - Checking Prerequisites and Corequisites
 - Courses listed as **prerequisites** must be completed before you start the course in question.

- Courses listed as **co-requisites** must be taken at the same time as the course in question.
 - Viewing Your Schedule
 - And much more!
- After you have completed your registration, if you would like an advisor to review your registration please submit a [Registration Review Form](#).

PRE-REQUISITE COURSES FOR ADMISSION TO DDS

| REQUIRED COURSES | # OF CREDITS | RECOMMENDED RED DEER COLLEGE COURSES |
|-----------------------------------|--------------|--|
| General Chemistry | 6 | CHEM 211 & CHEM 212 (see Important Note 1) |
| Organic Chemistry | 6 | CHEM 351 & CHEM 352 (see Important Note 1) |
| English | 6 | ENGL 219 & ENGL 220 |
| Cell Biology | 3 | BIOL 217 |
| Biochemistry | 3 | BIOC 393 or BIOC 301 |
| Mathematics (calculus or algebra) | 3 | MATH 202 or 203, or MATH 221 |
| Statistics | 3 | STAT 251 |
| Microbiology | 3 | BIOL 360 |
| Human Physiology | 6 | PSIO 258/259 (note KNSS 200 is a pre- or co-req for PSIO 258) OR completing UAlberta PHYSL 210 Online (see Important Note 2 below) |

SUGGESTED COURSE SEQUENCE AND CHECKLIST

| REQUIREMENT | PREREQUISITE(S) | COMMENTS | DONE |
|---|------------------------------------|----------------------|--|
| YEAR 1 - TERM 1 | | | |
| CHEM 211 (3 Credits) | General Chemistry I | CHEM 30 & MATH 30-1 | |
| BIOL 217 (3 Credits) | Introduction to Cell Biology | BIOL 30 & CHEM 30 | Can be taken either term |
| Math Requirement MATH 202 or 203, or MATH 221 | | | Can be taken either term |
| ENGL 219 (3 Credits) | Essay Writing and Critical Reading | ELA 30-1 | |
| Arts or Science Elective (3 Credits) | | | |
| YEAR 1 - TERM 2 | | | |
| CHEM 212 | General Chemistry II | CHEM 211 | See Important Note 1 below |
| CHEM 351 or Art/Science Elective (3 Credits) | General Chemistry II | CHEM 211 or CHEM 102 | See Important Note 1 below |

| | | | | |
|---|-------------------------|------------------------|--------------------------|--|
| STAT 251 (3 Credits) | Introductory Statistics | Math 30-1 or Math 30-2 | Can be taken either term | |
| ENGL 220 (3 Credits) | Literary Analysis | ENGL 219 | | |
| Arts or Science Elective (3 Credits) | | | | |

SAMPLE COURSE SCHEDULE – Year 2

As you start planning for year 2, we recommend that students have an undergraduate degree and transfer University in mind. The degree you are pursuing can be anything! Students will transfer after year 2 to a University.

| FIRST TERM | SECOND TERM |
|--|--|
| YEAR 2 | |
| CHEM 351 (if not completed in Year 1) or CHEM 352 | CHEM 352 (if not completed in Fall term) or Arts/Science Elective |
| Course Towards Undergraduate Degree | BIOC 301 or BIOC 393 |
| Course Towards Undergraduate Degree | BIOL 360 |
| Human Physiology Requirement (see Important Note 2 below) | Human Physiology Requirement (see Important Note 2 below) |
| Course Towards Undergraduate Degree | Course Towards Undergraduate Degree |

IMPORTANT NOTES/FAQ's

- Completing CHEM 351 and CHEM 212 in year 1 can offer students more versatility in course scheduling in their second year, however taking these courses concurrently in Winter term can also create a heavier schedule. CHEM 212 and CHEM 351 are also available in the Spring term. Students wishing to lighten their first-year course load can take one of CHEM 212/351 in the Winter term of Year 1, and then take the other course in the Spring term of Year 1, or complete in Year 2.
- How/when do I complete the 6 credit, Human Physiology requirement?**
 - If you are planning to apply to UAlberta Pharmacy after 2 years, then you must have this requirement completed prior to end of your Winter term in Year 2.
 - If you are not planning to apply to Pharmacy after 2 years, then you can more flexibility:
 - You can complete in year 3 or 4 when you transfer

RECOMMENDED OPTION: Complete with UAlberta

- UAlberta offers a course called PHYSL 210 that can be completed online, and [clicking here will give you registration information](#) for the course.
- Most students will have the appropriate pre-requisites after the Winter term of Year 1. As such, they can take the course in Spring/Summer of their Year 1 or Fall/Winter at start of Year 2.

Complete at RDP

- RDP does not have the best options to complete this requirement, as the courses that do work, PSIO 258 and PSIO 259, are initially reserved for Kinesiology students until mid-June.
- In addition, PSIO 258 (only offered in Fall), requires a co-, or pre-requisite of KNSS 200 (offered Fall and Spring). PSIO 259 is a Winter term only course.
 - Essentially, you need to take 3 RDP courses to meet this requirement.

If you wanted to take these requirements at RDP, consider the following options:

- Take KNSS 200 Fall or Spring term, Year 1.
- Take PSIO 258 & PSIO 259 in Year 2.

COURSE CATEGORIZATION/ELECTIVE LIST

- Examples of available Arts & Science Electives for the current academic year can be viewed [here](#).

TRANSFER INFORMATION

| IMPORTANT THINGS TO KNOW | |
|---------------------------------|---|
| Admission Requirements | <p>It is imperative you familiarize yourself with the PharmD Admission Requirements. As mentioned previously, the path towards Pharmacy will be unique for every student.</p> <p>There are many academic and non-academic requirements that students will need to be aware of and prepare for.</p> <p>Email phstud@ualberta.ca for any questions or concerns about equivalency of courses taken at other Canadian institutions.</p> |
| Minimum Transferable Grade | <p>A minimum grade of C- must be achieved in order for course credit to be transferable to UAlberta. While courses with grades of D or F will not transfer, they remain on your transcript and will be used in calculation of your GPA. <i>Please talk to an Academic Advisor as soon as possible if you feel you may be in jeopardy of not getting a C- in a course you are enrolled in.</i></p> |
| Spring Term | <p>The Faculty of Pharmacy and Pharmaceutical Sciences will accept a spring course in year of transfer only if the final grade is submitted by June 15th; at RDP, classes generally don't finish until the end of June, so <u>we suggest that you do not take a Spring term in the year of transfer.</u></p> |
| Application Deadline | <p>Please refer to the PharmD website for important dates.</p> |

CONTACT INFORMATION AND HELPFUL RESOURCES

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|--|---|
| Red Deer Polytechnic Student Connect Centre | studentconnect@rdpolytech.ca www.rdpolytech.ca/SCC 403.342.3254 |
| Red Deer Polytechnic website | rdpolytech.ca |
| Transfer Alberta Guide | transferalberta.alberta.ca |
| Faculty of Pharmacy and Pharmaceutical Sciences (UAlberta) | https://ualberta.ca/pharmacy studentservices-pharmacy@ualberta.ca |