

**BACHELOR OF SCIENCE - CHEMISTRY  
UNIVERSITY OF CALGARY & 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.

**UNIVERSITY OF ALBERTA OFFERS THREE DIFFERENT WAYS TO EARN A CHEMISTRY DEGREE:  
WHAT ARE THESE AND WHAT DO THEY MEAN?**

For many programs offered by the Faculty of Science at UAlberta, there are three ways to complete a degree. In most cases, the major differences in these routes start to become noticeable at year 3.

- *Honors* – This route typically requires students to maintain a specific course load and GPA to be eligible. Students primarily focus in their major during all years of study and engage in a Directed Research Project during years 3 and 4.
- *Specialization* – This route also typically requires students to maintain a specific course load and GPA to be eligible. Students primarily focus in their major during all years of study, but not engage in a Directed Research Project.
- *General* – This route requires students to complete both a Major and a Minor. Overall, students will explore courses in a broader range of disciplines than compared to an Honors/Specialization program.

For more information on these routes, please visit the [UAlberta Chemistry website](#).

## 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 maximum number of courses you can take in the Fall or Winter terms is 5 courses and 2 courses in the Spring (optional).
- To complete your program in four years, you would need to take the maximum number of courses per term (5 courses in the Fall and 5 courses in the Winter), or 10 course per year. Some students will complete 10 courses in a year by taking 4 courses in the Fall, 4 courses in the Winter, and 2 courses in the Spring (or a combination thereof).
- We encourage you to find the best course load for you to be successful in your courses and your program! However, we encourage you to check the course load requirements for your destination university and degree.
- For students who are working towards an “Honors” or “Specialization” program, it is recommended to maintain a minimum course load of 24 credits during the Fall/Winter terms. All in all, proceed at a course load that works best for you. In most cases, to be considered for full time funding students need a minimum of 3 courses and 9 academic credits in Fall and Winter (if you are receiving funding, remember to check the stipulations on course load).
- 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](http://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.

## WHY IS IT RECOMMENDED TO TRANSFER AFTER ONE YEAR AT RDP?

- The majority of the courses in this degree are only offered by UAlberta, so we do not have enough courses to allow a student to complete two full years of study (60 credits).

## 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](#).

## SUGGESTED COURSE SEQUENCE AND CHECKLIST

REQUIREMENT	PREREQUISITE(S)	COMMENTS	DONE
<b>FIRST TERM</b>			
<b>CHEM 211</b> (3 Credits)	Chem 30 and Math 30-1		
<b>MATH 202 or 203</b> (3 Credits)	<b>Math 202 prerequisite:</b> Math 30-1 <b>Math 203 prerequisite:</b> Math 31		
<b>PHYSICS REQUIREMENT</b> (3 Credits)		Choose 1 of the following pairs of Physics courses: <ul style="list-style-type: none"> <li>PHYS 205/PHYS 226 (Fall and Winter term, respectively)</li> <li>PHYS 241/PHYS 247 (Fall and Winter term, respectively)</li> </ul>	
<b>ENGL 219</b> (3 Credits)	ELA 30-1		
<b><u>SCIENCE ELECTIVE</u></b> (3 Credits)			
<b>SECOND TERM</b>			
<b>CHEM 212</b> (3 Credits)	Chem 211		
<b>CHEM 351 or Elective</b> (3 Credits)	Chem 211 or Chem 102	Students transferring to UCalgary should NOT take CHEM 351 at RDP. In order for CHEM 351 to transfer correctly to the UCalgary, students need to transfer both CHEM 351 and CHEM 352. CHEM 352 is a year 2 course that cannot be completed in Year 1. UofC bound students can take an Elective instead of CHEM 351.  UAlberta students can take CHEM 351 with no issues in Year 2.	
<u>U of A transfers:</u> <b>MATH 204</b> <u>U of C transfers:</u> <b>STAT 251</b> (3 Credits)	<b>Math 204 Prerequisite:</b> Math 202 or 203  <b>STAT 251 Prerequisite:</b> Math 30-1 or Math 30-2	UCalgary students should not take MATH 204 as it does not transfer to UCalgary. STAT 251 is recommended for UCalgary students.	
<b>PHYSICS REQUIREMENT</b> (3 Credits)		Choose 1 of the following pairs of Physics courses: <ul style="list-style-type: none"> <li>PHYS 205/PHYS 226 (Fall and Winter term, respectively)</li> <li>PHYS 241/PHYS 247 (Fall and Winter term, respectively)</li> </ul>	
<b><u>ARTS ELECTIVE</u></b> (3 Credits)			

## COURSE CATEGORIZATION/ELECTIVE LIST

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

## TRANSFER INFORMATION

	University of Alberta	University of Calgary
Transfer Credit	<ul style="list-style-type: none"> <li>➤ Recommended to transfer after one year of study at RDP.</li> <li>➤</li> </ul>	<ul style="list-style-type: none"> <li>➤ Recommended to transfer after one year of study at RDP.</li> </ul>
Applying for Transfer	<ul style="list-style-type: none"> <li>➤ Deadline typically March 1. Consult U of A <a href="#">timelines</a>.</li> <li>➤ Apply to U of A <a href="#">here</a>.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Deadline typically March 1. Consult U of C <a href="#">timelines</a>.</li> <li>➤ Apply to U of C <a href="#">here</a>.</li> </ul>
Honors and Specialization GPA	It is recommended students complete a course load of at least 24 credits over Fall and Winter terms. For GPA requirements, <a href="#">please click here</a> . Possession of the minimum GPA does not guarantee entry.	Honors, Specialization and General programs are UAlberta programs. You can see projected GPA for UCalgary programs <a href="#">here</a> .  Students can choose “ <a href="#">Natural Sciences</a> ” as a second option for UCalgary.
How Admission Grade Point Average (AGPA) calculated	<p>Calculated on all university transferable coursework completed in the most recent two terms of study if they contain a minimum of 24 credits. If those two terms contain less than 24 credits, all work in the next most recent term(s) is included in the calculation until the minimum total of 24 credits is reached. Fall/Winter courses are considered Winter courses in these calculations. For applicants who have attempted less than 24 credits of transferable postsecondary work, the AGPA is based on all university or university transfer credits attempted.</p> <p>Note: Where the applicant has more than one passing grade for the same course at any institution, only the first passing grade is used in calculating the grade point average(s) for admission purposes.</p> <p>For more information on transfer, please consult the <a href="#">University of Alberta Calendar</a>.</p>	<p>Will be calculated using the most recent course work to a maximum of 30 units, unless otherwise specified by the faculty. All courses attempted within a term will be included except where the number of courses taken within a term results in the overall number of units exceeding 30 units. Should this occur, the highest grades from the oldest term being considered will be used to calculate the GPA. In some faculties prerequisite courses will be included first. Grades in high school equivalent courses offered by post-secondary institutions will not be used in determining the transfer admission GPA. For more information on transfer, please consult the <a href="#">University of Calgary Calendar</a>.</p>
Minimum Transferable Grade	<b>A minimum grade of C- must be achieved</b> in order for course credit to be transferable. 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>	<b>A minimum grade of C- is recommended</b> to maximize transferability (“D” grades may transfer, depending on the circumstance). <i>Please talk to an Academic Advisor as soon as possible if you feel you may be in jeopardy of not getting at least a C- in a course you are enrolled in.</i>

## CONTACT INFORMATION AND HELPFUL RESOURCES

<b>Red Deer Polytechnic Student Connect Centre</b>	<a href="mailto:studentconnect@rdpolytech.ca">studentconnect@rdpolytech.ca</a> <a href="http://www.rdpolytech.ca/SCC">www.rdpolytech.ca/SCC</a> 403.342.3254
<b>Red Deer Polytechnic website</b>	<a href="http://rdpolytech.ca">rdpolytech.ca</a>
<b>Transfer Alberta Guide</b>	<a href="http://transferalberta.alberta.ca">transferalberta.alberta.ca</a>
<b>University of Alberta</b>	<a href="#">Website</a> Email: <a href="mailto:undergrad@chem.ualberta.ca">undergrad@chem.ualberta.ca</a>
<b>University of Calgary</b>	<a href="#">Website</a> Email: <a href="mailto:science.advising@ucalgary.ca">science.advising@ucalgary.ca</a>