BACHELOR OF SCIENCE – CELL BIOLOGY

UNIVERSITY OF ALBERTA – FACULTY OF MEDICINE & DENTISTRY: HONORS OR SPECIALIZATION
UPDATED MARCH 2019

This guide has been created by the School of Arts & Sciences at Red Deer College using information attained from the University of Alberta’s academic calendar. This planning guide highlights only major points regarding admission and transfer.

Students are advised to read the University of Alberta academic calendar for full program and transfer information; for further details regarding Cell Biology, visit: [http://calendar.ualberta.ca/](http://calendar.ualberta.ca/)

### YEAR 1 PATTERN OF COURSES

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Winter Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 211</td>
<td>CHEM 212 (see note 1 on page 2)</td>
</tr>
<tr>
<td>BIOL 217 (see note 4 on page 2)</td>
<td>CHEM 351 (see note 1 on page 2)</td>
</tr>
<tr>
<td>MATH 202 or MATH 203 (see note 4 on page 2)</td>
<td>STAT 251 (see note 4 on page 2)</td>
</tr>
<tr>
<td>Science Option (PHYS 205 recommended) (see note 3 on page 2)</td>
<td>Science Option (PHYS 226 recommended) (see note 3 on page 2)</td>
</tr>
<tr>
<td>ENGL 219</td>
<td>Arts Option (see note 2 on page 2)</td>
</tr>
</tbody>
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The Bachelor of Science – Cell Biology program at RDC is tailored to help students transfer into the University of Alberta’s BSc in Cell Biology.

The Department of Cell Biology at University of Alberta, in conjunction with the Faculty of Science offers a B.Sc. Honors or Specialization in Cell Biology. The goal of modern cell biology is to establish a molecular understanding of cells exploiting techniques drawn from molecular biology, genetics, biochemistry, microscopy and biophysics. To learn more about the program, please visit the University of Alberta Cell Biology webpage at [http://www.cellbiology.ualberta.ca/](http://www.cellbiology.ualberta.ca/)
YEAR 2 PATTERN OF COURSES

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Winter Term</th>
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</thead>
<tbody>
<tr>
<td>BIOL 317</td>
<td>BIOC 301 or 393</td>
</tr>
<tr>
<td>CHEM 351 (if not completed in year 1) or CHEM 352</td>
<td>CHEM 352 (if not previously completed) or Art/Science Option (see note 2 below)</td>
</tr>
<tr>
<td>Science Option (see note 2 below)</td>
<td>GENE 370</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>MICR 365</td>
</tr>
<tr>
<td>Art or Science Option (see note 2 below)</td>
<td>Art or Science Option (see note 2 below)</td>
</tr>
</tbody>
</table>

NOTES

1. Completing CHEM 351 and CHEM 212 in year 1 can offer students more versatility in course scheduling for their second year, however taking the course concurrently in Winter term can also create a heavier schedule. As such, students can choose to complete CHEM 351 and/or CHEM 212 in their first or second year of study, or through the use of a spring term.

   CHEM 212 and CHEM 351 can also be completed in the Spring term. Students wishing to lighten their first year course load should take one of CHEM 212/351 in the Winter term of Year 1, and then the other course in the Spring term of Year 1.

2. Examples of available Arts & Science Options for the 2019-2020 academic year can be viewed here: https://rdc.ab.ca/node/80375/attachment (you can pick up this printout from the School of Arts & Sciences in Room 2203 or view on the Loop)

   Not all of these courses may be transferable to your University (the majority are). Remember to visit Transfer Alberta to check for course transferability, or check with an advisor.

3. PHYS 205 and PHYS 226 are required courses for students pursuing the BSc Honors in Cell Biology. Students pursuing BSc Specialization are recommended to complete PHYS 205 and PHYS 226.

4. This course can be taken either term. Students with 70% or higher in Math 31 can take MATH 203 instead of 202.
IMPORTANT THINGS TO KNOW

University of Alberta calendar entry:  
http://calendar.ualberta.ca/

It is highly advised you read and consult the University of Alberta calendar as it will have the answers to many questions, as well as provide information on the specifics of the program.

Cell Biology can be completed at the University of Alberta as either an Honors or Specialization degree. Students studying at the Honors/Specialization level will need to maintain a higher level of academic standing, both GPA and course load wise. Students studying at the Honors/Specialization level will also concentrate the majority of their coursework on a single subject.

If you are pursuing an honors or specialization program, it is recommended to maintain of course load of at least 24 credits (*). This is generally 4 courses per Fall/Winter term (8 per year).

- **Honors Program**: It is recommended students complete a course load of at least 24 credits over Fall and Winter terms. For GPA requirements, please click here. Possession of the minimum GPA does not guarantee entry.

- **Specialization Program**: It is recommended students complete a course load of at least 24 credits over Fall and Winter terms. For GPA requirements, please click here. Possession of the minimum GPA does not guarantee entry.

- **General Program**: Will require completion of a major and minor. While no specific course load is required for transfer, students will need to meet general admission requirements. A GPA of 2.0 over a student's previous 24 credits is required to apply for transfer. Possession of the minimum GPA does not guarantee entry.

**PLEASE KEEP IN MIND**

- **A minimum grade of C-** must be achieved 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. 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.

- **Spring term courses**: a spring term course may be taken in year of transfer if it is not required for admission to the program. The grade will not be calculated in the AGPA nor will it count towards Fall/Winter course load. Ensure the transcript submitted shows registration in the spring course.

- **Junior Courses**: Do not take more than 42 credits (generally 14 courses) at the “Junior Level”. Junior Level courses are ones that will transfer to the University of Alberta at their “100 level”. (generally speaking, junior level courses at RDC are at the “200” level. However, there are some “300 level” courses that can transfer to the U of A at their junior level. As such, it is important to check how your courses transfer, and to have your registration checked by the Arts & Sciences Advising & Recruiting office).

- **Application and document deadlines**: March 1. Visit http://admissions.ualberta.ca/notices-deadlines.aspx for more detailed information on Application dates and deadlines as they can change each year.
HOW TO FIND MORE INFORMATION

School of Arts & Sciences
Advising & Recruiting
Room 2203
artscienceinfo@rdc.ab.ca
403-342-3585 (select option 1)
www.rdc.ab.ca/artsandsciences

Alberta Transfer Guide
http://transferalberta.alberta.ca

University of Alberta
http://www.ualberta.ca

Faculty of Medicine & Dentistry
http://www.med.ualberta.ca/
meddent@ualberta.ca

Department of Cell Biology
http://www.cellbiology.ualberta.ca/

University of Alberta Calendar + Program Information
http://calendar.ualberta.ca/

PLEASE NOTE:

This planning guide is designed to help you choose courses at RDC that will transfer to your destination institution and towards your intended degree. The recommendations in this guide are based off current RDC courses that transfer to the institution identified in this guide, as well as information provided by the institution (either through printed publication and/or communication between our institutions).

Institutions can make changes to their program and/or transfer requirements without consulting Red Deer College. As such, it is recommended you consult with the appropriate institutional information (i.e. university calendars, websites, advisors,) to gain the most up to date information.

You are responsible for ensuring that your registration is completed, and that your course choices comply with the program to which you have been admitted to at RDC and/or to the university to which you wish to transfer. This planning guide is meant to help you gain a basic understanding of your program and provide suggestions for course sequencing.

You are cautioned that any changes to your courses, your major, or your transfer destination may adversely affect your transferable credit or admission requirements for future programs. Consult with the student advisor (above) if you have any questions.

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