BACHELOR OF SCIENCE - PHYSICS

UNIVERSITY OF ALBERTA – FACULTY OF SCIENCE: HONORS OR SPECIALIZATION PROGRAM
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.

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

COURSE SCHEDULING PATTERNS

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<th>Fall Term</th>
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<td>PHYS 241</td>
<td>PHYS 247</td>
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<td>MATH 202 or 203</td>
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<td>MATH 221 (see note 2 on page 2)</td>
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<td>Science Option (see note 3 on page 2)</td>
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The University of Alberta offers many different fields of study within their Physics program. It is highly recommended to research the different options available, to find the best program for you. To see the full complement of majors, please visit the University of Alberta Physics webpage at https://uofa.ualberta.ca/physics

The first year of the program is similar, with a few specific recommendations depending on the Physics major you wish to pursue at the U of A (Physics, Astrophysics, Geophysics and Mathematical Physics). Remember to familiarize yourself with the different majors. Any specific course recommendations will be noted on the Course Scheduling Pattern Below.

More specific information on the Honors & Specialization programs at the University of Alberta can be found on Page 3.
NOTES:

1. Students with 70% or higher in Math 31 should enroll in MATH 203 instead of 202

2. These courses can be taken in either order/term.

3. Examples of available Arts & Science Options for the 2019-2020 academic year can be viewed here: [https://rdc.ab.ca/node/80375/attachment](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](https://rdc.ab.ca/node/80375/attachment) to check for course transferability, or check with an advisor.

SCIENCE OPTIONS: Students pursuing Geophysics: Take CHEM 211 and CHEM 212 in place of the Science Options.

- ASTR 205 is also a recommended option for Physics majors
IMPORTANT THINGS TO KNOW

University of Alberta calendar entry for Physics: 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.

Physics 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. See RDC’s Bachelor of Science General Planning Guide for the U of A for more info.

**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.

- **Transfer after 1 year of Study is highly recommended.**

- **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 Science
https://uofa.ualberta.ca/science
advisor.science@ualberta.ca

Department of Physics
https://uofa.ualberta.ca/physics

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.