

## DONALD SCHOOL OF BUSINESS, SCIENCE AND COMPUTING – UNIVERSITY SCIENCES DIPLOMA

UPDATED: July 2023

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](#)

### 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.

### GRADUATION REQUIREMENTS:

- 60 course credits
- Minimum cumulative GPA of 2.0 with a grade of at least "D" in each course
  - "D" grades may not transfer to all universities.
- Students must meet Red Deer Polytechnic residency requirements

### 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 two 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!
- 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.

### 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!
- You can also see for yourself exactly which criteria each course will meet, by using Grad Tracker. To access this, log in to the Loop and select Online Services→Student Services→Grad Tracker.
- After you have completed your registration, if you would like an advisor to review your registration please submit a [Registration Review Form](#).

### GRADUATION CHECKLIST (UNOFFICIAL)

REQUIREMENT		PREREQUISITE(S)	COMMENTS	DONE
<b>BIOL 217</b> (3 credits)	Introduction to Cell Biology	BIOL 30 & CHEM 30		
<b>BIOL 218</b> (3 credits)	Evolution & Biological Diversity	BIOL 30		
<b>CHEM 211</b> (3 credits)	General Chemistry I	CHEM 30 & MATH 30-1		
<b>CHEM 212</b> (3 credits)	General Chemistry II	CHEM 211		
<b>MATH 202</b> (3 credits)	Introductory Calculus I	MATH 30-1		
<b>PHYS 205</b> (3 credits)	Introductory Physics I	MATH 30; PHYS 30 recommended		
<b>STAT 251</b> (3 credits)	Introductory Statistics	MATH 30-1 or MATH 30-2		

<b>BIOC 393</b> (3 credits)	Fundamentals of Biochemistry	CHEM 211 & CHEM 351 or CHEM 251		
<b>CHEM 351</b> (3 credits)	Organic Chemistry I	CHEM 211 or CHEM 203		
<b>SCIE 2101</b> (3 credits)	Contemporary Issues in Science	15 credits of university level science		
<a href="#"><u>Senior BIOL Course</u></a> (3 credits)		See below	Choose from list below	
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<b>ENGL 219</b> (3 credits)	Essay Writing and Critical Reading	ELA 30-1		
<a href="#"><u>Indigenous Studies course</u></a> (3 credits)			Choose from list below	
<a href="#"><u>Wellness Course</u></a> (3 credits)			Choose from list below	
<a href="#"><u>Humanities Elective</u></a> (3 credits)			Choose from list below	
<a href="#"><u>Social Science Elective</u></a> (3 credits)			Choose from list below	

## COURSE CATEGORIZATION/ELECTIVE LIST

Senior BIOL Course. Choose five (5) of:		
Course #	Course Name	Pre/Co Requisites
BIOL 317	Molecular Genetics and Heredity	BIOL 217
BIOL 318	Principles of Ecology	BIOL 218
BIOL 301	Molecular Cell Biology	BIOL 217   Co-req: CHEM 351 or CHEM 251
BIOL 352	Animal Physiology	BIOL 217
BIOL 360	Principles of Microbiology	BIOL 217 and CHEM 251 or CHEM 351
BIOL 351	Anatomy of Vertebrates	BIOL 218
BIOL 370	Molecular Genetics	BIOL 317

The information below outlines which course fall under each course category. [Click here](#) to view 2023 - 2024 Arts and Science courses offerings in more details.

Humanities	Social Science	Science
Art (ART) Creation (CREA) Drama (DRAM) Music (MUSI) Film (FILM) Classics (CLAS) English (ENGL) History (HIST) Philosophy (PHIL)	Anthropology (ANTH) Communications (COMM) Economics (ECON) Indigenous Studies (INDS) Political Science (POLI) Psychology (PSYC) Sociology (SOCL)	Astronomy (ASTR) Biology (BIOL) Biochemistry (BIOC) Chemistry (CHEM) Computer Sciences (CMPT) <ul style="list-style-type: none"> <li>• <i>CMPT 261 is not considered a Science Elective for Science majors</i></li> </ul> Earth and Atmospheric Sciences (EAAS) Mathematics (MATH) Physics (PHYS) Statistics (STAT) General Science (SCIE)

Indigenous Studies Elective: Choose at least 1 course from the following list.			
<b>ANTH 321</b>	Survey Latin America	<b>INDS 205</b>	Indigenous Peoples in Canada
<b>ANTH 327</b>	Cultures in a Global Context	<b>POLI 223</b>	Canadian Political Issues
<b>ANTH 356</b>	Survey: Indigenous Canada	<b>POLI 321</b>	Canadian Governance
<b>ENGL 385</b>	Indigenous Literature	<b>SOCL 307</b>	Indigenous Peoples in Canada
<b>HIST 372</b>	The Prairie West in Canada	<b>SOCL 368</b>	Race and Ethnicity in Canada
<b>HIST 373</b>	Canada to 1867		
<b>HIST 374</b>	Canada Since 1867		
<b>HIST 379</b>	Indigenous Peoples and Canada		

Wellness Elective: Choose at least 1 course from the following list.			
<b>ANTH 204</b>	Global Citizenship	<b>PHIL 300</b>	Professional Ethics
<b>ANTH 331</b>	Anthropology of Gender	<b>PHIL 348</b>	Gender & Sexuality
<b>ANTH 363</b>	Anthropology of Religion	<b>PHIL 355</b>	Philosophy of the Environment
<b>ENGL 387</b>	Topics: Ecocentrism	<b>PHIL 357</b>	Philosophy of Religion
<b>FINS 150</b>	Personal Finance	<b>PHIL 386</b>	Bioethics
<b>HIST 325</b>	Science & Religion	<b>POLI 283</b>	Global Issues
<b>HIST 330</b>	Health & Healing	<b>POLI 324</b>	Politics of Healthcare
<b>HIST 357</b>	Gender & Sexuality	<b>PSYC 341</b>	Social Psychology
<b>INTD 325</b>	Mindfulness, Meditation & the Body	<b>PSYC 357</b>	Adult Development & Aging
<b>INTD 370</b>	Intersections of Global Health	<b>PSYC 367</b>	Human Sexuality
<b>INTD 375</b>	Social Gerontology	<b>PSYC 380</b>	Positive Psychology
<b>KNSS 210</b>	Personal Fitness & Wellness	<b>PSYC 389</b>	Abnormal Psychology
<b>KNSS 214</b>	Introduction to Personal Physical Fitness	<b>PSYC 391</b>	Health Psychology
<b>KNSS 244</b>	Introduction to Nutrition	<b>SOCL 301</b>	Sociology of Gender
<b>KPAC 255</b>	Yoga For Beginners	<b>SOCL 371</b>	Sociology of Families
<b>KPAC 296</b>	Flexibility & Relaxation	<b>SOCL 373</b>	Sociology of Aging
<b>PHIL 201</b>	Values & Society	<b>SOCL 374</b>	Sociology of Health
<b>PHIL 202</b>	Knowledge & Reality	<b>SOCL 376</b>	Sociology of Religion

## TRANSFER INFORMATION

- The current ACAT articulation agreements for our previous University Transfer program will remain in place, providing our students the option to transfer out from RDP after one year of studies or after completion of the diploma program.
- The University Science Diploma will prepare graduates for transition into the final two years of a Bachelor of Science Degree in Biological Sciences, for admission to professional schools requiring a minimum of two years of undergraduate studies, and for entry into the workforce in biology-related fields.

## CONTACT INFORMATION AND HELPFUL RESOURCES

Red Deer Polytechnic Student Connect Centre	<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
Red Deer Polytechnic website	<a href="http://rdpolytech.ca">rdpolytech.ca</a>
Transfer Alberta Guide	<a href="http://transferalberta.alberta.ca">transferalberta.alberta.ca</a>