

DONALD SCHOOL OF BUSINESS, SCIENCE AND TECHNOLOGY – UNIVERSITY SCIENCES DIPLOMA

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](#)

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.

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

BIOC 393 (3 credits)	Fundamentals of Biochemistry	CHEM 211 & CHEM 351 or CHEM 251		
CHEM 351 (3 credits)	Organic Chemistry I	CHEM 211 or CHEM 203		
SCIE 2101 (3 credits)	Contemporary Issues in Science	15 credits of university level science		
<u>Senior BIOL Course</u> (3 credits)		See below	Choose from list below	
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ENGL 219 (3 credits)	Essay Writing and Critical Reading	ELA 30-1		
<u>Indigenous Studies course</u> (3 credits)			Choose from list below	
<u>Wellness Course</u> (3 credits)			Choose from list below	
<u>Humanities Elective</u> (3 credits)			Choose from list below	
<u>Social Science Elective</u> (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 2022 - 2023 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) • <i>CMPT 261 is not considered a Science Elective for Science majors</i> Mathematics (MATH) Physics (PHYS) Statistics (STAT) General Science (SCIE)

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

Wellness Elective: Choose at least 1 course from the following list.			
ANTH 204	Global Citizenship	PHIL 300	Professional Ethics
ANTH 331	Anthropology of Gender	PHIL 348	Gender & Sexuality
ANTH 363	Anthropology of Religion	PHIL 355	Philosophy of the Environment
ENGL 387	Topics: Ecocentrism	PHIL 357	Philosophy of Religion
FINS 150	Personal Finance	PHIL 386	Bioethics
HIST 325	Science & Religion	POLI 283	Global Issues
HIST 330	Health & Healing	POLI 324	Politics of Healthcare
HIST 357	Gender & Sexuality	PSYC 341	Social Psychology
INTD 325	Mindfulness, Meditation & the Body	PSYC 357	Adult Development & Aging
INTD 370	Intersections of Global Health	PSYC 367	Human Sexuality
INTD 375	Social Gerontology	PSYC 380	Positive Psychology
KNSS 210	Personal Fitness & Wellness	PSYC 389	Abnormal Psychology
KNSS 214	Introduction to Personal Physical Fitness	PSYC 391	Health Psychology
KNSS 244	Introduction to Nutrition	SOCI 301	Sociology of Gender
KPAC 255	Yoga For Beginners	SOCI 371	Sociology of Families
KPAC 296	Flexibility & Relaxation	SOCI 373	Sociology of Aging
PHIL 201	Values & Society	SOCI 374	Sociology of Health
PHIL 202	Knowledge & Reality	SOCI 376	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	studentconnect@rdpolytech.ca www.rdpolytech.ca/SCC 403.342.3254
Red Deer Polytechnic website	rdpolytech.ca
Transfer Alberta Guide	transferalberta.alberta.ca