

**BACHELOR OF SCIENCE – MATHEMATICS
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.

MY MAJOR/TRANSFER UNIVERSITY IS NOT LISTED. WHAT SHOULD I DO?

- There are many institutions all offering a diverse range of majors and routes related to Mathematics. There is no way we can capture all possible routes. At RDC, our courses best set up students to transfer to the University of Alberta (UAlberta), so this guide focuses on UAlberta.

UALBERTA OFFERS THREE DIFFERENT WAYS TO EARN A MATHEMATICS: 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 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.
- 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.

In addition, there are multiple Mathematics and Statistics majors within the Department of Mathematical and Statistical Sciences. For more information on these routes, please visit [their 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).
- 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.

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?

- Most 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)	DONE
TERM 1			
MATH 202 or 203	Introductory Calculus I or Calculus I	MATH 202 Prerequisite: MATH 30-1 MATH 203 Prerequisite: MATH 31	
MATH 221	Linear Algebra I	MATH 30-1	
ENGL 219 (3 credits)	Essay Writing and Critical Reading	ELA 30-1	
Art or Science Elective: ECON 201 recommended			
Arts or Science Elective			
TERM 2			
MATH 204	Calculus II	MATH 202 or 203	
Science Elective: STAT 251 recommended			
ENGL 220	Literary Analysis	ENGL 219	
Arts or Science Elective: ECON 202 recommended			
Arts or Science Elective			

NOTES

- CMPT 201 (Winter term course) may be of interest to Math majors

COURSE CATEGORIZATION/ELECTIVE LIST

- Examples of available Art and Science Electives can be found [here](#).

TRANSFER INFORMATION

Transfer Credit	➤ Recommended to transfer after one year of study at RDP.
Applying for Transfer	➤ Deadline typically March 1. Consult U of A timelines . Apply to U of A here .
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, please click here . Possession of the minimum GPA does not guarantee entry.

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 University of Alberta Calendar.</p>
Minimum Transferable Grade	<p>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. <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></p>

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
University of Alberta	<ul style="list-style-type: none"> • Mathematical and Statistical Sciences • mathsci@ualberta.ca