

**BACHELOR OF SCIENCE (SPECIALIZATION IN SCIENCE & EDUCATION)/BACHELOR OF EDUCATION
(SECONDARY) COMBINED DEGREES
UNIVERSITY OF ALBERTA
RED DEER POLYTECHNIC- SCHOOL OF EDUCATION AND TRADES**

UPDATED: JULY 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](#)
- For further information about this degree ensure that you consult the [University of Alberta Academic Calendar](#) and the Faculty of Science Advisors at University of Alberta (UofA). The [Alberta Transfer Guide](#) governs the transfer of course credit from RDP to UofA and only the Faculty of Education at UofA may confirm course transfer.
- With this degree, students not only become Science teachers, but earn **TWO degrees in five years!** The Faculties of Science and Education at UofA offer a combined degree program that is more highly structured than a Bachelor of Science (BSc) followed by a Bachelor of Education (B.Ed) After-Degree (a 6-year route). It provides less flexibility in course choice and scheduling than taking the degrees sequentially, because it is designed to meet the minimum requirements of both degrees in five years. In addition, students must meet teacher certification requirements within this time frame.
- To accommodate the variety in subject studies needed in secondary school teaching, **students in the BSc (Specialization)/B.Ed (Secondary) program will select both a major and a minor from the following areas:**
 - **Biological Sciences:** Biology, Botany, Entomology, Genetics, Immunology and Infection, Marine Science, Microbiology, Neuroscience, Paleontology, Pharmacology, Physiology, Zoology.
 - **Physical Sciences:** Astronomy, Chemistry, Mathematical Physics, Physics.
 - **Mathematical Sciences:** Computing Science, Mathematics, Statistics.

- **Students must transfer to the Faculty of Science in the University of Alberta after earning 30 credits (one year) to meet the Faculty of Science residency requirement.**
- The Alberta Government requires people who work directly with children to have a **current Police Record Check which includes the Vulnerable Sector**. As some of the education courses are taught at West Park Middle School and/or have observations at other local schools, the Police Record Check with Vulnerable Sector **MUST** be submitted to the School of Education Office at least 1 (one) week prior to the start of classes. It is recommended to get your Police Record Check with Vulnerable Sector done in your home community and the cost of the Police Record Check varies by Police Detachment.

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 at UofA.

GRADUATION REQUIREMENTS

The following [regulations](#) govern the BSc/B.Ed. Secondary program at the UofA:

1. Within the 150 credit program, a student must complete a minimum of 72 credits in Science, 48 credits in Education, and 18 credits in Arts.
2. In the major, at least 12 credits must be in 300-level or higher courses taken while registered in the BSc (Specialization)/B.Ed. (Secondary) program at UofA.
3. In the minor, at least 6 credits must be in 300-level or higher courses taken while registered in the BSc (Specialization)/B.Ed. (Secondary) program at UofA.
4. No more than 42 credits at a junior level (100-level at UofA) are permitted in the BSc (Specialization)/B.Ed. (Secondary) program at UofA.

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?

- To complete the 150 credits and graduate in five years, students must take a full course load of 30 credits in each Fall/Winter of the program.
- **The *minimum course load for students in the BSc (Specialization)/B.Ed. (Secondary) program is at least 24 credits in each Fall/Winter. Students cannot take fewer than eight 3-credit courses in Fall/Winter, nor can they attend only in a Fall or Winter term of an academic year.***
- Students are required to take their second year of study in the Faculty of Science at UofA.
- The maximum number of courses you can take in the Fall or Winter terms is typically 5 courses and 2 courses in the Spring or Summer terms (optional).
- When determining your course load keep in mind your funding, 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?

- If you take less than the minimum course load requirements (mentioned in red above), you will not be eligible for transfer to this U of A 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](#) and provide the Polytechnic Assessors with any and all transcripts, course outlines/descriptions, or other documentation necessary to support your PLAR application.

We strongly recommend that you also **contact the [Faculty of Science at University of Alberta](#)** as soon as possible if you attended post-secondary institutions other than RDP and/or programs other than BSc/B.Ed. Secondary or another B.Ed. program at RDP or earned the academic status of Required to Withdraw in a previous term(s).

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](#).

TRANSFER COURSE CHECKLIST (UNOFFICIAL)

BIOLOGICAL SCIENCES MAJOR / MATHEMATICAL SCIENCES MINOR

REQUIREMENT	PREREQUISITE(S)	COMMENTS	COMPLETED
YEAR 1 FIRST TERM			
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)	BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 211- General Chemistry I (3 Credits)	Prerequisite: Chem 30 and Math 30-1.		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession	ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti-requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none">• Please note, EDUC 1500 is a practicum course. Registration deadlines apply.	

(3 Credits)				
MATH 202- Intro. Calculus I or MATH 203- Calculus I (3 Credits)		MATH 202 prerequisite: MATH 30-1; anti-requisite: MATH 203. MATH 203 prerequisite: MATH 31; anti-requisite: MATH 202.	<ul style="list-style-type: none"> MATH 202 is intended for students without prior calculus experience. MATH 203 is intended for students with prior calculus experience. 	
ARTS OPTION (3 Credits)			<ul style="list-style-type: none"> ARTS OPTIONS are transferable courses from the following disciplines: ANTH, CLAS, ECON, ENGL 220, FREN, HIST, PHIL, POLI, PSYC (<i>not</i> PSYC 260), SOCI (<i>not</i> SOCI 310 or 312) 	
YEAR 1 SECOND TERM				
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 351- Organic Chemistry I (3 Credits)		Prerequisite: CHEM 211 or CHEM 102 Anti-requisite: Chem 251		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti-requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
<i>One of:</i> MATH 204- Calculus II, MATH 221- Linear Algebra, or STAT 251- Intro. Statistics (3 Credits)		MATH 204 Prerequisite: MATH 202 or 203 Anti-requisite: MATH 213 MATH 221 Prerequisite: Math 30-1 STAT 251 Prerequisite: Math 30-1 or 30-2		
ARTS OPTION (3 Credits)			<ul style="list-style-type: none"> ARTS OPTIONS are transferable courses from the following disciplines: ANTH, CLAS, ECON, ENGL 220, FREN, HIST, PHIL, POLI, PSYC (<i>not</i> PSYC 260), SOCI (<i>not</i> SOCI 310 or 312) 	

BIOLOGICAL SCIENCES MAJOR / PHYSICAL SCIENCES MINOR

REQUIREMENT	PREREQUISITE(S)	COMMENTS	COMPLETED
YEAR 1 FIRST TERM			

BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 211- General Chemistry I (3 Credits)		Prerequisite: Chem 30 and Math 30-1.		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti- requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> • Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
MATH 202- Intro. Calculus I or MATH 203- Calculus I (3 Credits)		MATH 202 prerequisite: MATH 30-1; anti- requisite: MATH 203. MATH 203 prerequisite: MATH 31; anti-requisite: MATH 202.	<ul style="list-style-type: none"> • MATH 202 is intended for students without prior calculus experience. • MATH 203 is intended for students with prior calculus experience. 	
PHYS 205- Intro. Physics I or PHYS 241- Mechanics (3 Credits)		PHYS 205 prerequisite: MATH 30-1; PHYSICS 30 strongly recommended; anti- requisite: PHYS 241. PHYS 241 prerequisite: Physics 30 and Math 30- 1; corequisite: MATH 202 or 203 or 212; anti- requisite: PHYS 205.	<ul style="list-style-type: none"> • PHYS 205 is prerequisite to PHYS 226. PHYS 241 is prerequisite to PHYS 226 and PHYS 247. 	

YEAR 1 SECOND TERM

BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 351- Organic Chemistry I (3 Credits)		Prerequisite: CHEM 211 or CHEM 102 Anti- requisite: Chem 251		
ENGL 219- Essay Writing & Critical Reading or		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti- requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> • Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	

EDUC 1500- The Teaching Profession (3 Credits)				
MATH 204- Calculus II, (3 Credits)		MATH 204 Prerequisite: MATH 202 or 203 Anti- requisite: MATH 213		
PHYS 226- Intro. Physics II or PHYS 247- Waves Optics & Thermal Physics (3 Credits)		PHYS 226 prerequisite: PHYS 205; anti requisites: PHYS 247 and PHYS 269. PHYS 247 prerequisite: PHYS 241 or ENPH 231; corequisite: MATH 204 or 213; anti- requisite: PHYS 226 and PHYS 269.	<ul style="list-style-type: none"> PHYS 205 is prerequisite to PHYS 226. PHYS 241 is prerequisite to PHYS 226 and PHYS 247. 	

PHYSICAL SCIENCES MAJOR / BIOLOGICAL SCIENCES MINOR
(CHEMISTRY CONCENTRATION or PHYSICS CONCENTRATION)

REQUIREMENT	PREREQUISITE(S)	COMMENTS	COMPLETED
YEAR 1 FIRST TERM			
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)	BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 211- General Chemistry I (3 Credits)	Prerequisite: Chem 30 and Math 30-1.		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)	ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti- requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
MATH 202- Intro. Calculus I or MATH 203- Calculus I (3 Credits)	MATH 202 prerequisite: MATH 30-1; anti- requisite: MATH 203. MATH 203 prerequisite: MATH 31; anti-requisite: MATH 202.	<ul style="list-style-type: none"> MATH 202 is intended for students without prior calculus experience. MATH 203 is intended for students with prior calculus experience. 	
PHYS 205- Intro. Physics I or PHYS 241- Mechanics (3 Credits)	PHYS 205 prerequisite: MATH 30-1; PHYSICS 30 strongly recommended; anti- requisite: PHYS 241.	<ul style="list-style-type: none"> PHYS 205 is prerequisite to PHYS 226. PHYS 241 is prerequisite to PHYS 226 and PHYS 247. 	

		PHYS 241 prerequisite: Physics 30 and Math 30-1; corequisite: MATH 202 or 203 or 212; anti-requisite: PHYS 205.		
YEAR 1 SECOND TERM				
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 212- General Chemistry II (3 Credits)		Pre-requisite: Chem 211.		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti-requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
MATH 204- Calculus II, (3 Credits)		MATH 204 Prerequisite: MATH 202 or 203 Anti-requisite: MATH 213		
PHYS 226- Intro. Physics II or PHYS 247- Waves Optics & Thermal Physics (3 Credits)		PHYS 226 prerequisite: PHYS 205; anti-requisites: PHYS 247 and PHYS 269. PHYS 247 prerequisite: PHYS 241 or ENPH 231; corequisite: MATH 204 or 213; anti-requisite: PHYS 226 and PHYS 269.	<ul style="list-style-type: none"> PHYS 205 is prerequisite to PHYS 226. PHYS 241 is prerequisite to PHYS 226 and PHYS 247. 	

PHYSICAL SCIENCES MAJOR / MATHEMATICAL SCIENCES MINOR

REQUIREMENT	PREREQUISITE(S)	COMMENTS	COMPLETED
YEAR 1 FIRST TERM			
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30	

CHEM 211- General Chemistry I (3 Credits)		Prerequisite: Chem 30 and Math 30-1.		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti- requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> • Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
MATH 202- Intro. Calculus I or MATH 203- Calculus I (3 Credits)		MATH 202 prerequisite: MATH 30-1; anti- requisite: MATH 203. MATH 203 prerequisite: MATH 31; anti-requisite: MATH 202.	<ul style="list-style-type: none"> • MATH 202 is intended for students without prior calculus experience. • MATH 203 is intended for students with prior calculus experience. 	
PHYS 205- Intro. Physics I or PHYS 241- Mechanics (3 Credits)		PHYS 205 prerequisite: MATH 30-1; PHYSICS 30 strongly recommended; anti- requisite: PHYS 241. PHYS 241 prerequisite: Physics 30 and Math 30- 1; corequisite: MATH 202 or 203 or 212; anti- requisite: PHYS 205.	<ul style="list-style-type: none"> • PHYS 205 is prerequisite to PHYS 226. PHYS 241 is prerequisite to PHYS 226 and PHYS 247. 	

YEAR 1 SECOND TERM

BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
CHEM 212- General Chemistry II (3 Credits)		Pre-requisite: Chem 211.		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti- requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> • Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
MATH 204- Calculus II, (3 Credits)		MATH 204 Prerequisite: MATH 202 or 203 Anti- requisite: MATH 213		
PHYS 226- Intro. Physics II		PHYS 226 prerequisite: PHYS 205; anti	<ul style="list-style-type: none"> • PHYS 205 is prerequisite to PHYS 226. PHYS 241 is 	

or PHYS 247- Waves Optics & Thermal Physics (3 Credits)		requisites: PHYS 247 and PHYS 269. PHYS 247 prerequisite: PHYS 241 or ENPH 231; corequisite: MATH 204 or 213; anti- requisite: PHYS 226 and PHYS 269.	prerequisite to PHYS 226 and PHYS 247.	
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MATHEMATICAL SCIENCES MAJOR / PHYSICAL SCIENCES MINOR

REQUIREMENT	PREREQUISITE(S)	COMMENTS	COMPLETED
YEAR 1 FIRST TERM			
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30	
<i>One of:</i> CHEM 211- General Chem. I, PHYS 205- Intro. Physics I or PHYS 241- Mechanics (3 Credits)		CHEM 211 prerequisite: Chem 30 and Math 30-1. PHYS 205 prerequisite: MATH 30-1; PHYSICS 30 strongly recommended; anti- requisite: PHYS 241. PHYS 241 prerequisite: Physics 30 and Math 30- 1; corequisite: MATH 202 or 203 or 212; anti- requisite: PHYS 205.	<ul style="list-style-type: none"> Choose one pair of courses: CHEM 211/212 or PHYS 205/226 or PHYS 241/247.
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti- requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> Please note, EDUC 1500 is a practicum course. Registration deadlines apply.
MATH 202- Intro. Calculus I or MATH 203- Calculus I (3 Credits)		MATH 202 prerequisite: MATH 30-1; anti- requisite: MATH 203. MATH 203 prerequisite: MATH 31; anti-requisite: MATH 202.	<ul style="list-style-type: none"> MATH 202 is intended for students without prior calculus experience. MATH 203 is intended for students with prior calculus experience.
MATH 221- Linear Algebra, or STAT 251- Intro. Statistics (3 Credits)		MATH 221 Prerequisite: Math 30-1 STAT 251 Prerequisite: Math 30-1 or 30-2	

YEAR 1 SECOND TERM

<p>BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)</p>		<p>BIOL 217 prerequisites: Biology 30 and Chemistry 30</p> <p>BIOL 218 prerequisite: Biology 30</p>		
<p><i>One of:</i> CHEM 212- General Chemistry II, PHYS 226- Intro. Physics II or PHYS 247- Waves Optics & Thermal Physics (3 Credits)</p>		<p>CHEM 212 Pre-requisite: Chem 211.</p> <p>PHYS 226 prerequisite: PHYS 205; anti-requisites: PHYS 247 and PHYS 269.</p> <p>PHYS 247 prerequisite: PHYS 241 or ENPH 231; corequisite: MATH 204 or 213; anti-requisite: PHYS 226 and PHYS 269.</p>	<ul style="list-style-type: none"> Choose one pair of courses: CHEM 211/212 or PHYS 205/226 or PHYS 241/247. 	
<p>ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)</p>		<p>ENGL 219 prerequisite: ELA 30-1 or equivalent.</p> <p>EDUC 1500 anti-requisites: EDFX 203 or EDUC 250.</p>	<ul style="list-style-type: none"> Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
<p>MATH 204- Calculus II, (3 Credits)</p>		<p>MATH 204 Prerequisite: MATH 202 or 203 Anti-requisite: MATH 213</p>		
<p>MATH 221- Linear Algebra, or STAT 251- Intro. Statistics (3 Credits)</p>		<p>MATH 221 Prerequisite: Math 30-1</p> <p>STAT 251 Prerequisite: Math 30-1 or 30-2</p>		

MATHEMATICAL SCIENCES MAJOR / BIOLOGICAL SCIENCES MINOR

REQUIREMENT	PREREQUISITE(S)	COMMENTS	COMPLETED	
YEAR 1 FIRST TERM				
<p>BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)</p>		<p>BIOL 217 prerequisites: Biology 30 and Chemistry 30</p> <p>BIOL 218 prerequisite: Biology 30</p>		
<p>MATH 221- Linear Algebra, or</p>		<p>MATH 221 Prerequisite: Math 30-1</p>		

STAT 251- Intro. Statistics (3 Credits)		STAT 251 Prerequisite: Math 30-1 or 30-2		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti-requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> • Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	
MATH 202- Intro. Calculus I or MATH 203- Calculus I (3 Credits)		MATH 202 prerequisite: MATH 30-1; anti-requisite: MATH 203. MATH 203 prerequisite: MATH 31; anti-requisite: MATH 202.	<ul style="list-style-type: none"> • MATH 202 is intended for students without prior calculus experience. • MATH 203 is intended for students with prior calculus experience. 	
PHYSICAL SCIENCES <i>Choose one from:</i> ASTR 205, CHEM 211, CHEM 212, PHYS 205, PHYS 226, PHYS 241, or PHYS 247. (3 Credits)		ASTR 205: no prerequisites. CHEM 212 prerequisite: CHEM 212 PHYS 226 prerequisite: PHYS 205. PHYS 247 prerequisite: PHYS 241.	<ul style="list-style-type: none"> • Take one course from the list provided each term. 	
YEAR 1 SECOND TERM				
BIOL 217- Intro. to Cell Biology or BIOL 218- Evolution & Biological Diversity (3 Credits)		BIOL 217 prerequisites: Biology 30 and Chemistry 30 BIOL 218 prerequisite: Biology 30		
MATH 221- Linear Algebra, or STAT 251- Intro. Statistics (3 Credits)		MATH 221 Prerequisite: Math 30-1 STAT 251 Prerequisite: Math 30-1 or 30-2		
ENGL 219- Essay Writing & Critical Reading or EDUC 1500- The Teaching Profession (3 Credits)		ENGL 219 prerequisite: ELA 30-1 or equivalent. EDUC 1500 anti-requisites: EDFX 203 or EDUC 250.	<ul style="list-style-type: none"> • Please note, EDUC 1500 is a practicum course. Registration deadlines apply. 	

MATH 204- Calculus II, (3 Credits)		MATH 204 Prerequisite: MATH 202 or 203 Anit- requisite: MATH 213		
PHYSICAL SCIENCES <i>Choose one from:</i> ASTR 205, CHEM 211, CHEM 212, PHYS 205, PHYS 226, PHYS 241, or PHYS 247. (3 Credits)		ASTR 205: no prerequisites. CHEM 212 prerequisite: CHEM 212 PHYS 226 prerequisite: PHYS 205. PHYS 247 prerequisite: PHYS 241.	<ul style="list-style-type: none"> • Take one course from the list provided each term. 	

IMPORTANT NOTES

- EDUC 1500- During the first week of classes, a **Practicum Request form** (electronic link) will be sent to students' RDP email to collect placement information. Forms that arrive late or incomplete will require students to drop the course and postpone practicum to a later semester.

TRANSFER INFORMATION (UNIVERSITY OF ALBERTA)

Transfer Credit

1. **A minimum of one year of study must be taken while enrolled in the Faculty of Science at UofA.** Therefore, a maximum of one year of study (30 credits) can be taken outside the Faculty of Science (i.e. at RDC). If you have or will have more than one year of post-secondary study contact the UofA Faculty of Science **now** regarding admission. A student transferring into the combined degrees program will be required to complete at least 90 credits (normally the last 90) while registered in the combined program.
2. **Students in this program must present a minimum 24 credits in every previous Fall/Winter** every year of post-secondary study regardless of program or institution to meet admission requirements. This means students must attend in both terms of each academic year and take at least 24 credits in each academic year.
3. **To complete the 150 credit program and graduate in five years** students must take a full course load of 30 credits in each Fall/Winter of the program. Students may take a minimum of 24 credits in a Fall/Winter while attending RDC but doing so may extend the length of time required to complete the program. Contact the Faculty of Science with any questions.
4. **Courses must transfer to UofA to be considered for credit** and must be applicable to the program to be credited towards the degree. It is each student's responsibility to ensure all courses taken transfer to UofA by using the [Alberta Transfer Guide](#). The Guide states if/how a course transfers to the university, at which level (junior or senior), and the number of transfer credits. Please note that courses showing transfer with a prefix of AU will not transfer to the Faculty of Education as they transfer to

Augustana Faculty only. Instructions for using the Guide are on the Registration page in The Loop. If you have questions, see the School of Education advising specialist.

5. **A minimum grade of C-** must be achieved to receive transfer credit. However, while courses with grades of D or F will not transfer, they remain on your transcript and will be used in calculation of your admission GPA (AGPA) should they fall within the terms used.

Academic History

6. **Repeating courses:** Courses may be repeated (due to withdrawal or grade below C-) to achieve a minimum grade of C-. However, please note that the first grade of C- or higher received in a course is the **only** grade accepted for that course so repeating a course in which a grade of C- or higher was earned is not helpful in terms of AGPA or credits earned as all following grades in the course will simply be crossed off the transcript as if they never occurred. *Do not retake a course in which you already earned a grade of C- or higher.* Any students who previously attended UofA who wish retake coursework, please see the advising specialist before doing so.
7. **Students who have once (or more) earned a GPA below 2.0 or have earned the status of Required to Withdraw** from any post-secondary program(s) or institution(s) contact the Faculty of Science for further information.
8. **If you previously attended a post-secondary institution other than RDC**, you are advised to contact a Faculty of Science Student Advisor and a Faculty of Education Student Advisor now regarding transfer of credit for those courses into their program.
9. **If you have transcripts from the following:** AP (Advanced Placement) or IB (International Baccalaureate), out-of-province high school and/or post-secondary transcripts, or an Alberta post-secondary institution not included in the APAS application system it is your responsibility to order official transcripts from the institution(s) to meet the transfer admission document deadline. Official transcripts must be sent directly from the sending institution to the Office of the Registrar at UofA. Your application will not be considered without these documents.

TRANSFER STUDENT APPLICANT INFORMATION

1. **Transfer students in the BSc (Specialization)/B.Ed. (Secondary) program are admitted** to the Faculty of Science into the Specialization program for their major. For admission requirements click [here](#).
2. **Starting the 2022 admission cycle**, all applicants to the Bachelor of Education program are required to complete the Casper test as part of their application. This 60-90 minute online situational judgment test will assess non-cognitive skills, interpersonal characteristics, and personal values and priorities that we believe are important for successful students and graduates of the program.
Learn more about the test and how to sign up here: [Casper Test Information and Frequently Asked Questions](#).
3. **Admission is competitive and a higher GPA than the minimum may be required.** "Each preceding Fall/Winter" means *every* year you attended any post-secondary institution leading up to your application to the program.

4. **Spring term courses:** a spring term course may be taken in year of transfer if it is not a course 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 Fall/Winter transcript submitted shows registration in the spring course.
5. **Application deadline:** generally March 1st (check UofA admission information)
6. **Admission to the Faculty of Science** and all other faculties at UofA is in the fall term only.

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
University of Alberta- Student Connect, Registrars' Office	www.ualberta.ca/registrar
2021-2022 University of Alberta Academic Calendar	calendar.ualberta.ca/
University of Alberta Faculty of Science (Undergraduate Student Advisor)	www.ualberta.ca/science/ advisor.science@ualberta.ca 1-800-358-8314 or 780-492-4758
University of Alberta Faculty of Education	uofa.ualberta.ca/education
Transfer Alberta Guide	transferalberta.alberta.ca