

COMBINED BACHELOR OF SCIENCE/ BACHELOR OF EDUCATION - SECONDARY 5 YEAR PROGRAM

UPDATED FEBRUARY 2012

This Academic Planning Guide highlights only major points regarding admission and transfer. You are advised to read the university and RDC calendars, and the Alberta Transfer Guide for other necessary information. Some of the courses listed in this guide have prerequisites. Please refer to the Course Description section of the RDC calendar for further information.

GENERAL INFORMATION ABOUT BSC (SPECIALIZATION IN SCIENCE AND EDUCATION)/ BED (SECONDARY) COMBINED DEGREES PROGRAM

TRANSFER TO THE UNIVERSITY OF ALBERTA AFTER ONE YEAR IS REQUIRED IN ORDER TO MEET
THE FACULTY OF SCIENCE RESIDENCY REQUIREMENT

- The Faculties of Science and Education offer a combined degrees program that is more highly structured than the BSc followed by a BEd After-Degree (a six 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 it must meet teacher certification requirements within this time frame.
- This degree consists of a total of 150 credits (50 half year courses).
- <http://www.science.ualberta.ca/ProspectiveStudents/ScienceDegrees/BScBEd.aspx>
- At the University of Alberta, students apply to the Faculty of Science for admission to the Combined Degrees Program and spend the first two years of the five-year program registered in the Faculty of Science. The remaining 3 years will be completed in the Faculty of Education.
- This program is available for the secondary education route only.
- To accommodate the variety in subject studies needed in secondary school teaching, students in the combined degrees program will select both a major/minor from the following areas:
 1. **BIOLOGICAL SCIENCES:** Biology, Botany, Entomology, Genetics, Immunology and Infection, Marine Science, Microbiology, Neuroscience, Paleontology, Pharmacology, Physiology, Zoology.
 2. **MATHEMATICAL SCIENCES:** Computing Science, Mathematics, Statistics and Applied Probability.
 3. **PHYSICAL SCIENCES:** Astronomy, Chemistry, Mathematical Physics, Physics.

	Major	Minor:
Combination 1	Physical Sciences	Biological Sciences
	Physical Sciences	Mathematical Sciences
Combination 2	Biological Sciences	Physical Sciences
	Biological Sciences	Mathematical Sciences
Combination 3	Mathematical Sciences	Physical Sciences
	Mathematical Sciences	Biological Sciences

- Students who choose to take PHYS 205 must take PHYS 226; PHYS 241 and PHYS 247; and CHEM 211 and CHEM 212

SUGGESTED PATTERN OF COURSES – YEAR 1

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

YEAR 1 FALL TERM	YEAR 1 WINTER TERM
BIOL 217 (3)	BIOL 218 (3)
CHEM 211 (3)	CHEM 212 (3)
ENGL 219 (3)	ENGL 220 (3)
MATH 202 or 203 (3)	MATH 204 (3)
PHYS 205 or 241 (3)	PHYS 226 or 247 (3)

PHYSICAL SCIENCES MAJOR / MATHEMATICAL SCIENCES MINOR

YEAR 1 FALL TERM	YEAR 1 WINTER TERM
BIOL 217 (3)	BIOL 218 (3)
CHEM 211 (3)	CHEM 212 (3)
ENGL 219 (3)	ENGL 220 (3)
MATH 202 or 203 (3)	MATH 204 (3)
PHYS 205 or 241 (3)	PHYS 226 or 247 (3)

MATHEMATICAL SCIENCES MAJOR / PHYSICAL SCIENCES MINOR

YEAR 1 FALL TERM	YEAR 1 WINTER TERM
BIOL 217 (3)	BIOL 218 (3)
CHEM 211 or PHYS 205 or PHYS 241(3)	CHEM 212 or PHYS 226 or PHYS 247 (3)
ENGL 219 (3)	ENGL 220 (3)
MATH 202 or 203 (3)	MATH 204 (3)
STAT 251 (3)	MATH 221 (3)

MATHEMATICAL SCIENCES MAJOR / BIOLOGICAL SCIENCES MINOR

YEAR 1 FALL TERM	YEAR 1 WINTER TERM
BIOL 217 (3)	BIOL 218 (3)
STAT 251 (3)	MATH 221 (3)
ENGL 219 (3)	ENGL 220 (3)
MATH 202 or 203 (3)	MATH 204 (3)
PHYSICAL SCIENCES (6) Choose from ASTR 205, CHEM 211, 212, PHYS 205/226 or 241/247	

BIOLOGICAL SCIENCES MAJOR / MATHEMATICAL SCIENCES MINOR

YEAR 1 FALL TERM	YEAR 1 WINTER TERM
BIOL 217 (3)	BIOL 218 (3)
CHEM 211 (3)	CHEM 351 (3)
ENGL 219 (3)	ENGL 220 (3)
MATH 202 or 203 (3)	STAT 251 (3)
ONE OF: MATH 204 (3) MATH 221 (3) STAT 251 (3)	ARTS OPTION (6) ¹

¹ARTS OPTIONS are transferable courses from the following disciplines: ANTH, CLAS, ECON, ENGL, FREN, GEOG 251, 382 (*not* GEOG 230 or 231), HIST, PHIL, POLI, PSYC (*not* PSYC 260), SOCI (*not* SOCI 310 or 312), SPAN

BIOLOGICAL SCIENCES MAJOR / PHYSICAL SCIENCES MINOR

YEAR 1 FALL TERM	YEAR 1 WINTER TERM
BIOL 217 (3)	BIOL 218 (3)
CHEM 211 (3)	CHEM 351 (3)
ENGL 219 (3)	ENGL 220 (3)
MATH 202 or 203 (3)	MATH 204 (3)
PHYS 205 or 241 (3)	PHYS 226 or 247 (3)

ADMISSION AND TRANSFER INFORMATION FOR THE BACHELOR OF SCIENCE / BACHELOR OF EDUCATION SECONDARY COMBINED DEGREES PROGRAM**PROGRAM INFORMATION:**

Length of Degree The Bachelor of Education Combined Degree programs consist of 150 credits and is normally take over five years, during which the first two or three years are taken with the Faculty of Science. The remaining years are taken with the Faculty of Education.

Students initially apply for admission to the partner Faculty and will transfer to the Faculty of Education later in their program. When completed, students are granted two degrees.

Transfer Credit Students must transfer after 1 year (maximum 30 credits to meet the residency requirements of the Faculty of Science. Students must have achieved a minimum admission grade point average (AGPA) of 2.0 on the 4-point scale in order to apply. **The actual average needed for admission may be higher.**

ADMISSION REQUIREMENTS:

Students will be considered for admission to the BSc/BEd only if they have a satisfactory standing in the faculty or college from which they transfer and have achieved an accumulated grade point average of not less than 2.3 (C+) on the 4.0 point scale. This means that in each year of study students must have achieved a minimum grade point average of 2.3. Students will require a 2.7 average on all courses required for the major to meet graduation requirements.

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achieved a minimum grade point average of 2.3. Students will require a 2.7 average on all courses required for the major to meet graduation requirements.

High School Requirements English Language Arts 30-1 (minimum grade of 60%), Pure Mathematics 30 or Mathematics 30-1, Biology 30, Chemistry 30, Subject from Group A, B or C (Physics 30 recommended)

ACADEMIC REQUIREMENTS:

Course Load Requirements: 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. ***The minimum load for students in the specialization program is at least 24 credits in each Fall/Winter.*** A course load of less than 24 credits requires annual approval by both the Dean of Education and the Dean of Science.

SOCI 310/312 will not be granted credit within the BSc/BEd program.

Minimum Grade Required The minimum transferable grade to the University of Alberta is C-.

AGPA CALCULATION:

GPA Calculated The AGPA is calculated on all transferable courses completed in the most recent two semesters of study, as long as these two terms contain 24 credits of transferable course work or more. If the most recent two semesters contain less than 24 credits of transferable course work, all the work in the next most recent semester(s) of study is included until a minimum of 24 credits have been achieved.

Competitive Admission GPA Previous Fall

UNIVERSITY RULES:

Repetition of Courses: If a course with a grade of C- or above is repeated, the second attempt will not be used in calculating the AGPA for U of A. Courses presented for admission must not have been attempted more than twice. A withdrawal counts as an attempt.

Junior Level Courses: Normally, no more than 42 credits at the junior level (courses that transfer to the U of A at the 100-level) are permitted in the combined program. For this reason, some options selected may have to be senior level. Students are advised to keep track of their total junior courses carefully.

Time Limits for Completion of Program: The combined degrees program is a five-year program. A student may complete the requirements of the combined degree over a period longer than five years. An extension beyond six years is not recommended and requires the written approval of the Faculty of Science and the Faculty of Education.

Residency Requirement: Students must transfer after one year in order to meet the Faculty of Science residency requirement. Year two will be completed in the Faculty of Science. Years 3, 4, and 5 are completed in the Faculty of Education.

Spring Courses The U of A advises that students who take courses at RDC in the Spring (May-June) semester which immediately precedes admission to the U of A may be disadvantaged. This is because applicants registered in the Spring semester may be placed "on hold" until final transcripts arrive and admission will not be considered for students whose final transcripts do not arrive by the June 15 document deadline (RDC Spring semester does not end until the end of June). Contact U of A Faculty of Education Undergraduate Student Services for more information.

ACADEMIC STANDING – RTW Applicants who have been twice required to withdraw from any post secondary program(s) or institution(s) should contact U of A Faculty of Education Undergraduate Student Services for information.

OTHER

APPLICATION INFORMATION:

Deadline The application deadline is May 1. The document deadline is June 15. Although the deadline for application to this program is May 1, students are advised to apply as early as possible.

NOTE: Admission to the BEd program at U of A occurs in September only

Other Info Required

- Students are encouraged to submit one unofficial RDC transcript to U of A as soon as final grades for fall term are available so that they can be considered for early admission. This should happen automatically through Apply Alberta. Check your "To Do" list on BearTracks to confirm.
- Early admission is based on fall grades of the current term as long as the fall term contains a minimum of 9 credits (with final grades at the end of fall term) and the subsequent winter term contains sufficient number of credits to equal to 24 in the fall/winter terms.
- If there are less than 9 credits (with final grades at the end of fall term) or there are less than 24 credits in the current fall/winter terms, the process will be to go back to previous term(s) and use all courses from the terms that the final 24 credits span. (e.g. If student has two 3-credit courses completed in fall term, but the third course is a full-year course U of A will go back to previous term(s) to determine early admission.)

Students are encouraged to submit two official transcripts to U of A as soon as grades are available for winter term. This should happen automatically through Apply Alberta. Final admission will be offered on the condition that the GPA for winter term is equal to or greater than the conditional AGPA.

HOW TO FIND MORE INFORMATION

PROGRAM CHAIRPERSON Brad McDiarmid
Office 2606 - E
Phone: (403) 342-3356
E-mail: brad.mcdiarmid@rdc.ab.ca

PROGRAM WEBSITE: <http://www.uss.ualberta.ca/>

ACADEMIC ADVISING: Room 1102
403-342-3163
advisors@rdc.ab.ca
www.rdc.ab.ca/academic_advising

RDC WEBSITE: www.rdc.ab.ca

ALBERTA TRANSFER GUIDE: www.acat.gov.ab.ca

UNIVERSITY CONTACT INFORMATION:

U of A Faculty of Education: Undergraduate Student Services
E-mail: educ.info@ualberta.ca
Phone: (780) 492-3659

U of A Faculty of Science: <http://www.science.ualberta.ca/>
E-mail: dean.science@ualberta.ca
Phone: 1 (800) 358-8314
Fax: (780) 492-7533

PLEASE NOTE:

Please be aware that 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 College 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, admission requirements for future programs, or eligibility to graduate from Red Deer College. Please consult with an academic advisor if you have any questions.

The function of academic advisors is to provide students with information and resources that enable them to make informed decisions relevant to their education. These resources include the Red Deer College Calendar, the Academic Planning Guide for your chosen program and Destination University (if applicable), the Alberta Transfer Guide and the calendar and contact information for your destination university. Academic advisors will assist you in interpreting information from these resources or refer you to your destination university if appropriate. 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.