



Program Planning Guide

Program: Bachelor of Science/Bachelor of Education (B.Sc./B.Ed.)

Major (Arts and Science): Chemistry Major (Education): Science Education

Calendar Year: 2015/2016

ID:	

Major in Chemistry:

www.uleth.ca/artsci/chemistry-biochemistry

Academic Calendar:

www.uleth.ca/ross/academic-calendar

High School Prerequisites by Course:

www.uleth.ca/ross/hs preregs/course

Faculty of Education Admission Requirements:

www.uleth.ca/education/programs-degrees/ undergraduate-studies/admission

Current and Past Program Planning Guides:

www.uleth.ca/ross/ppgs

Faculty of Arts and Science Student Program Services:

www.uleth.ca/artsci/advising artsci.advising@uleth.ca (403) 329-5106 SU060

Faculty of Education Student Program Services:

www.uleth.ca/education/student-advising edu.sps@uleth.ca (403) 329-2254 TH421

This is a planning guide and not a graduation check or guarantee of course offerings. You should have a program check done in your final year of studies. Students are responsible for the accuracy of their own programs. The guide should be used in conjunction with the University of Lethbridge Calendar, which is the final authority on all questions regarding program requirements and academic regulations. Contact an Academic Advisor in the Faculty of Arts and Science or Faculty of Education for advising information.

Bachelor of Science/Bachelor of Education

Calendar Year - 2015/2016

(minimum 15 courses) 9 10 11 12 13 14
10 11 12 13
10 11 12 13
11 12 13
11 12 13
12 13
13
13
14
1 2
15
irements (20-course equivalent)
0 - Practicum I - Orientation to Teaching
Semester I (15.0 credit hours)
Semester II (15.0 credit hours)
Semester III (15.0 credit hours)
ves:
3

Notes

The major in Chemistry for the combined degrees program is not accredited by the Canadian Society of Chemistry, nor is it sufficient for pursuing graduate studies in Chemistry.

Chemistry courses are organized in sequences and must be taken in the proper order. In addition, several of the 3000-level courses are offered only in alternate years. Students are advised to seek help in planning their programs from the Departmental Advisor or from any faculty member in the Department of Chemistry and Biochemistry at an early stage of their studies.

¹Prerequisite required: Engineering 2000

Only four courses (12.0 credit hours) in total by a single department. See the 2015/2016 Ca	. ,	hours) may be completed for credit towards the degree.
by a single department. See the 2015/2016 Ca LIST I: Fine Arts and Humanities Co		Not more than three Disciplinary Credit Applied Studies
1	3	courses (9.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.
2	4	Applied Studies 2000, 2001, 2010, and 2011.
LIST II: Social Science Courses		Not more than 17 courses (51.0 credit hours) may be completed from any one discipline for credit towards the
1	3	degree. Note: Disciplines are identified by a specific course label (e.g. KNES, ASTR,
2	4	and HIST are separate disciplines).
LIST III: Science Courses		Not more than six credit hours in Activity courses (i.e. courses labelled PHAC and MUSE) may be completed for
1	3	credit towards the degree, except for Kinesiology majors (no
2	4	more than 15.0 credit hours) and Music majors (not more than 12.0 credit hours).
		Residence requirement:
Not more than 10 courses (30.0 cre		Degree:
the 1000 level (or lower) [0500 - 19 degree, excluding Activity courses (-	Art and Science: at least 15 courses (45.0 credit hours) offered by the Faculty of Arts and Science or the Faculty of Fine Arts must be completed at the University of Lethbridge
1	6	Education: at least 15 courses (45.0 credit hours) offered by
2	7	the Faculty of Education must be completed at the University of Lethbridge.
3	8	Major: at least half of the courses required in the major must be completed at the University of Lethbridge.
4	9	
5	10(max.)	Education Minor (If Applicable):
Completion of at least 10 courses (30.0 credit hours) from	1 4
disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses		2 5
(labelled PHAC and MUSE).	chordung nonvity courses	3 6
1	6	Education (methods requirement)
2	7	
3	8	Education Specialization (If Applicable): See the 2015/2016 Calendar, p. 163, for details.
4	9	1 4
5	10 (min.)	2 5. <u>Education 4573</u>
o	10 (min.)	3

Year 1, Spring

Mathematics 2560

Year 2, Spring

Year 3, Spring

Chemistry or Biochemistry list

Chemistry or Biochemistry list

GLER course 3000/4000 level Elective 3000/4000 level

Elective 3000/4000 level

Professional Semester II

Year 4, Spring

Chemistry 2600

Chemistry 2740

GLER course GLER course

GLER course

course

course

Chemistry 2000

Physics 2000

GLER course

GLER course

Sample Sequencing Plan

Shown below is a sample sequence of courses for your degree. If you follow this plan, you should be able to graduate in five years, provided you complete five courses per semester. This is just one example of how you could complete your major and degree requirements; you may find that a different sequence works as well as this one.

Year 1, Fall

Chemistry 1000 Mathematics 1410 Mathematics 1560 ¹ Physics 1000 GLER course

Year 2, Fall

Biology 1010 (recommended) Chemistry 2410 Chemistry 2500 Education 2500² GLER course

Year 3, Fall

Professional Semester I

Year 4, FallChemistry or Biochemistry list course

Chemistry or Biochemistry list

course

Elective 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level

Year 5, Fall

Professional Semester III

Year 5, Spring

Education Foundation course Education elective Education elective Education elective Elective 3000/4000 level

Elementary Education and Special/Inclusive Education students will reverse the fall and spring semesters in Year 5 and complete PS III in the spring.

Note: Students are strongly advised to consult with the Department of Chemistry and Biochemistry regarding the sequence of the above courses.

Terms Used

GLER course: A course that could count toward the General Liberal Education Requirement. You may use courses in your major towards this 12-course requirement. See the 2015/2016 University of Lethbridge Calendar, Part 4 - Academic Regulations (p. 83) for complete information.

The Faculty of Arts and Science offers Liberal Education 1000 and 2000, specifically designed to introduce first-year students to the wide scope of human knowledge and teach essential university success skills, critical thinking, and integrative thinking (see the 2015/2016 University of Lethbridge Calendar, Part 14 - Courses, p. 301). LBED 1000 and 2000 may be used toward satisfying the GLER.

Elective: A course that you may choose freely from all those available and applicable to your program. Use courses inside or outside your major, bearing in mind any restrictions that may apply (e.g., a maximum of 17 courses from any one discipline).

Faculty of Education Admission

Admission to the Faculty of Education requires successful completion of the following:

10110 1111	·5·
	20 semester courses (60.0 credit hours).
	Minimum cumulative grade point average of 2.50 on all UofL and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
	Minimum of eight courses (24.0 credit hours) in the major.
	Minimum cumulative grade point average of 2.50 on all graded courses comprising the major, including all transferable courses.
	Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor.
	Writing Proficiency Requirement: See Part 13 (Combined Degrees) in the Academic Calendar: www.uleth.ca/ross/academic-calendar
	Additional admission requirements in the following majors: Dramatic Arts, Music, Native Education and Physical Education

For specific information on admission requirements, please refer to the Combined Degrees section of the Academic Calendar:

www.uleth.ca/ross/academic-calendar/part13.pdf

Students are advised to contact Student Program Services in the Faculty of Education (TH421; tel. 403-329-2254) for guidelines regarding the requirements stated above.

For application and document deadlines please refer to: www.uleth.ca/ross/admission-information/deadlines

Combined Degrees Program:

Students begin this program in the Faculty of Arts and Science where they progress toward completion of Arts and Science degree requirements, and prepare to meet the admission requirements for the Faculty of Education. Please note that completion of the required prerequisites does not guarantee admission to the Faculty of Education. For students of Aboriginal descent, and students with a significant shift in academic performance, please see the current Calendar for the Faculty of Education's admission policy.



Students with less than 75% in Mathematics 30-1 or without Mathematics 31 must complete MATH 1010 as a prerequisite.

² Education 2500 may also be taken in spring or summer semester.