

# Faculty of Agricultural, Life & Environmental Sciences (ALES)

Eligible admission subjects are grouped into one of these three categories:

Humanities	Fine Arts	Sciences
English (Literature and Composition); Languages other than English; History; Cultural Geography; Social Studies; Economics	Art; Drama; Music; Dance	Biology; Chemistry; Math (Algebra, Geometry, Trigonometry); Physics; Physical Geography; Science, Computer Science; Calculus

Admission requirements vary by Faculty and program. Some programs can be entered directly from high school, while others will require one or more years of preprofessional study. Preprofessional study will fulfill academic requirements that are not covered in most high school curricula and will give you a strong basis to enter professional programs. These studies can be completed in another Faculty, such as Arts or Science (although a number of Faculties are suitable for preprofessional studies).

All undergraduate applicants to English speaking and bilingual programs need an adequate level of English language proficiency before admission, regardless of their citizenship status or country of origin. [www.studyincanada.ualberta.ca/elp](http://www.studyincanada.ualberta.ca/elp)

★30 credits refers to one full-time year of study or 10 courses    ★3 credits = one-term course    ★6 credits = two-term course

Direct Entry Programs	5 subject requirements
Bachelor of Science in Agriculture Bachelor of Science in Animal Health Bachelor of Science in Environmental and Conservation Sciences Bachelor of Science in Nutrition and Food Science (General program) Bachelor of Science in Forestry	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Biology</li> <li>▶ Chemistry</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ One subject from Humanities, Fine Arts, or Sciences</li> </ul> (British Curriculum applicants - GCE AS or A level - two subjects required: Math; Chemistry)
Pre-Veterinary Medicine	This program prepares students for application to the Doctor of Veterinary Medicine programs at the University of Calgary or the University of Saskatchewan.  To apply to this program, you must apply to one of : <ul style="list-style-type: none"> <li>▶ Bachelor of Science in Agriculture (major in Animal Science), or</li> <li>▶ Bachelor of Science in Animal Health (any major)</li> </ul> and then declare "Pre-Veterinary Medicine" in the application. See row above for subject requirements.
Bachelor of Science in Environmental and Conservation Sciences/ Bachelor of Arts in Native Studies Combined	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Biology</li> <li>▶ Chemistry</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ One subject from Humanities, Fine Arts, or Sciences</li> </ul> (British Curriculum applicants - GCE AS or A level - two subjects required: Math; Chemistry)

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## Agricultural, Life & Environmental Sciences programs contd.

Direct Entry Programs	5 subject requirements:
<p>Bachelor of Science in Human Ecology</p> <p>Bachelor of Science in Human Ecology/Bachelor of Education (Secondary) Combined</p>	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ One subject from Biology, Chemistry, or Physics</li> <li>▶ One subject from Humanities or Sciences</li> <li>▶ One subject from Humanities, Fine Arts, or Sciences</li> </ul> <p><b>Notes:</b> Spoken English language proficiency is required for BSc/BEEd combined. (British Curriculum applicants - GCE AS or A level - two subjects required: Math; Chemistry or Biology)</p> <ul style="list-style-type: none"> <li>• Students who wish to minor in Textile Science: Chemistry is required.</li> <li>• Students who wish to minor in Community Nutrition: Chemistry and Biology are required.</li> </ul>
<p>Bachelor of Arts in Environmental Studies</p> <p>This program is offered jointly by the Faculty of ALES and the Faculty of Arts. Students can apply for admission to either Faculty.</p>	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ Biology</li> <li>▶ One subject from Humanities</li> <li>▶ One subject from Humanities or Sciences</li> </ul> <p>(British Curriculum applicants - GCE AS or A level - two subjects required: Math; Biology)</p>

Programs requiring pre-professional study	Requirements
<p>Bachelor of Science in Agricultural/Food Business Management:</p>	
<p>Agricultural Business Management</p>	<p>Preprofessional study time required: 1 year. ★24 required, must be transferable to the program.</p> <ul style="list-style-type: none"> <li>▶ BIOL or CHEM (★3)</li> <li>▶ ECON 101 and 102 (★6)</li> <li>▶ ENGL (★6)</li> <li>▶ Free Electives (★6)</li> <li>▶ MATH 113 or 114 (★3)</li> <li>▶ PL SC 221 (★3)</li> <li>▶ STAT 151 (★3)</li> </ul> <p>High School prerequisite courses: Biology, Chemistry, Math (Algebra, Geometry, Trigonometry) Selection Criteria: Minimum GPA of 2.3</p>
<p>Food Business Management</p>	<p>Preprofessional study time required: 1 year. ★24 required, must be transferable to the program.</p> <ul style="list-style-type: none"> <li>▶ BIOL 107 or 108 (★3)</li> <li>▶ CHEM 101 and 261 (★6)</li> <li>▶ ECON 101 and 102 (★6)</li> <li>▶ ENGL (★6)</li> <li>▶ MATH 113 or 114 (★3)</li> <li>▶ NU FS 100 (★3)</li> <li>▶ STAT 151 (★3)</li> </ul> <p>High School prerequisite courses: Biology, Chemistry, Math (Algebra, Geometry, Trigonometry) Selection Criteria: Minimum GPA of 2.3</p>

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## Agricultural, Life & Environmental Sciences programs contd.

Programs requiring pre-professional study	Requirements	
Bachelor of Science in Environmental and Conservation Sciences (Bilingual) (taught in English and French)	Students apply to Campus Saint-Jean. First 2 years are taken at Campus Saint-Jean and the final 2 years of the program at the Faculty of Agricultural, Life and Environmental Sciences.	
Bachelor of Science in Forest Business Management	<p>Preprofessional study time required: 1 year. A minimum of ★24 transferable to the program is required. Recommended UAlberta courses are:</p> <ul style="list-style-type: none"> <li>▶ FREE ELECTIVE (★3)</li> <li>▶ CHEM 101 or 164 (★3)</li> <li>▶ ECON 101 and 102 (★6)</li> <li>▶ ENGL (★3)</li> <li>▶ MATH 113 or 114 (★3)</li> <li>▶ REN R 110 and 120 (★6)</li> <li>▶ PL SC 221 (★3)</li> <li>▶ STAT 151 (★3)</li> </ul> <p>High School prerequisite courses: Biology, Chemistry, Math (Algebra, Geometry, Trigonometry)</p> <p>Selection Criteria: Minimum GPA of 2.3</p>	
Bachelor of Science Honors in Food Science	ONE YEAR Successful completion of ★24 applicable to the BSc Nutrition and Food Science program.	SELECTION CRITERIA: Minimum AGPA of 3.0
	RECOMMENDED: BIOL 107, CHEM 101, 102, 164 or 261, ENGL (★6) (which may include ★3 in WRS) MATH 113 OR 114, NUFS 100, STAT 151 and free elective (★3)	
Bachelor of Science Honors in Nutrition	ONE YEAR Successful completion of ★24 applicable to the BSc Nutrition and Food Science program.	SELECTION CRITERIA: Minimum AGPA of 3.0
	RECOMMENDED: NUTR 100, NUFS 100, BIOL 107, CHEM 101, 102, 164 or 251. ENGL (★6) (which may include ★3 in WRS), STAT 151 and free elective (★3)	
Bachelor of Science in Nutrition and Food Science (Dietetics Specialization)	ONE YEAR Admission to the Dietetics Specialization requires completion of a pre-professional year. Students generally complete their first year in the BSc Nutrition and Food Science General program.	<p>MINIMUM ADMISSION REQUIREMENTS: Entrance to this specialization takes place after at least one year of pre-professional university (or equivalent) studies. Minimum AGPA of 2.7 on most recent ★30</p> <p>ADDITIONAL REQUIREMENTS:</p> <ul style="list-style-type: none"> <li>▶ Spoken English Language Proficiency</li> <li>▶ Letter of intent</li> <li>▶ Interview</li> <li>▶ Three Letters of Reference</li> </ul>
	<p>REQUIRED:</p> <ul style="list-style-type: none"> <li>▶ BIOL 107 (★3)</li> <li>▶ CHEM 101 and 102 (★6)</li> <li>▶ CHEM 164 or 261 (★3)</li> <li>▶ ENGL (★6) or ENGL (★3) &amp; WRS (★3)</li> <li>▶ NUTR 100 (★3)</li> <li>▶ NU FS 100 (★3)</li> <li>▶ STAT 151 (★3)</li> </ul>	

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## Agricultural, Life & Environmental Sciences programs contd.

Programs requiring pre-professional study	Requirements	
Bachelor of Science in Nutrition and Food Science (Food Science & Technology Specialization)	ONE YEAR Successful completion of ★24 applicable to the BSc Nutrition and Food Science program.	SELECTION CRITERIA: Minimum AGPA of 2.7
	RECOMMENDED: BIOL 107, CHEM 101, 102, 164 or 261, ENGL (★6) (which may include ★3 in WRS) MATH 113 OR 114, NUFS 100, STAT 151.	

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