

AGRICULTURE SCIENCES

Program Office: 403.382.6991 • agsciences@lethbridgecollege.ca

Plant the seeds for your future success in Lethbridge College's Agriculture Sciences program. Choose from majors in Agriculture Business, Agronomy or Animal Science, and be ready to make a difference working in one of Canada's most diverse and vital industries. You'll learn from instructors with first-hand experience, dividing your time between classroom instruction, benchtop processes, industry involvement and practical application.

In these programs, you'll learn the scientific background to why we do what we do in agriculture. In addition to learning from textbooks and computers, you'll also get a foundation in the ever-changing sector through workshops, tours and involvement with alumni and specialized ag partners. This program ladders directly into the Bachelor of Agriculture Science program.

Your Investment

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs (<https://www.lethbridgecollege.ca/programs/>) and select your program.

Graduation

Upon successful completion of all program requirements, students are awarded an Agriculture Sciences Diploma that designates the appropriate major.

ADMISSIONS

New students are accepted into the Agriculture Sciences program for Fall (September) term.

General Admissions Requirements

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

Academic Requirements

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)
- Applicants intending to ladder into the Bachelor of Agriculture Science Degree will also be required to have Biology 30 and Chemistry 30 at the point they apply to the degree.

CURRICULUM

All three majors in the Agriculture Sciences program have a common first year. However, students must choose their major when applying to the program. Students have the option of switching majors at the end of the first year.

Common First Year Requirements

Course	Title	Credits
Year 1		
Term I		
ACC-1170	Financial Accounting I	3
BIO-1167	Botany	3
BIO-1175	Animal Science	3
COM-1162	Interpersonal Relationships and Communications	3
MKT-1152	Commodity Marketing	3
Credits		15
Term II		
AGS-1150	Agriculture Finance	3
AGS-2255	Sustainable Agriculture	3
BUS-1166	Business Law	3
ENG-1150	Composition	3
SOL-1150	Agriculture Soils	3
Credits		15
Year 2		
Students must select one major from the following:		
Agriculture Business Major		
Agronomy Major		
Animal Science Major		
Credits		0
Total Credits		30

Major Requirements

Upon completion of Year One, Agriculture Sciences students will focus on studies in their selected major.

Agriculture Business Major

Course	Title	Credits
Year 2		
Term I		
ACC-1175	Financial Accounting II	3
AGS-2250	Canadian and World Agriculture	3
BUS-1170	Introduction to Management	3
ECN-1180	Microeconomics	3
PLT-2262	Field Crops	3
Credits		15
Term II		
AGS-2251	Agriculture Policy	3
BUS-2292	Business Finance	3
ECN-2253	Macroeconomics	3
MKT-1188	Introduction to Marketing	3
STS-1155	Descriptive Statistics	3
Credits		15
Total Credits		30

Agronomy Major

Course	Title	Credits
Year 2		
Term I		
AGS-2280	Precision Agriculture I	3
ECN-1180	Microeconomics	3
PLT-2253	Integrated Pest Management I	3
PLT-2260	Special Crops	3
PLT-2262	Field Crops	3
Credits		15
Term II		
IRR-2252	Irrigation Systems	3
PLT-1155	Pasture and Forage Production	3
PLT-2254	Integrated Pest Management II	3
PLT-2264	Greenhouse Management	3
SOL-2250	Soil Fertility	3
Credits		15
Total Credits		30

- Agricultural Research
- Agri-business
- Agri-services
- Farm Finance
- Farming
- Ranching

Animal Science Major

Course	Title	Credits
Year 2		
Term I		
ANM-2250	Cow Calf Management	3
ANM-2251	Animal Health	3
BIO-2263	Animal Physiology I	3
ECN-1180	Microeconomics	3
PLT-2262	Field Crops	3
Credits		15
Term II		
ANM-2252	Intensive Livestock Production	3
ANM-2253	Beef Feedlot Management	3
ANM-2254	Animal Nutrition	3
BIO-2264	Animal Physiology II	3
PLT-1155	Pasture and Forage Production	3
Credits		15
Total Credits		30

TRANSFERS

University of Lethbridge

Graduates of Lethbridge College's Agriculture Sciences diploma program with a cumulative GPA of at least 2.50 are eligible for admission into the University of Lethbridge's Post-Diploma Bachelor of Arts (Agricultural Studies) or Bachelor of Science (Agricultural Studies) programs. Admitted students will be third-year degree level students in the university's Faculty of Arts and Science in all respects. For more information, please see an academic advisor and visit <https://www.uleth.ca>

CAREERS

Graduates of our Agriculture Sciences program work in a wide variety of settings, including: