



AGRICULTURE AND BIORESOURCES



UNIVERSITY OF
SASKATCHEWAN

INTERESTED ^{IN} AGRICULTURE AND BIORESOURCES?



Today's agriculture cares for the environment to renewably produce bioproducts like fuel, fibre and pharmaceuticals, in addition to food. Its concerns are universal and individual, large and small, rooted in tradition and driven by innovation. It happens everywhere—in rural fields, urban landscapes, laboratories, wetlands and boardrooms.

DEGREES

Bachelor of Science in Agriculture

This applied life-science degree will provide you with a broad knowledge of agriculture, agri-food systems, and the role of agriculture in both local and global contexts. You will also learn how to apply this knowledge to real-world situations and, as a graduate, will be prepared to address major agricultural issues and challenges in one of many diverse fields of employment.

Bachelor of Science in Agribusiness

This degree combines science, economics and business to explore management, marketing, finance and sales, as well as the legal and institutional environment that frames the industry. Students will be prepared for careers as agricultural professionals such as entrepreneurs, business consultants, lenders and product support specialists.

Bachelor of Science in Animal Bioscience

This program provides students with a broad background in domestic animal biology. Students are trained to work in fields outside of traditional animal agriculture, including biomedical sciences, companion, equine and research animal care, animal health and environmental sciences.

Bachelor of Science in Renewable Resource Management

This program uses applied science to cover topics such as the management of land, biotic and water resources. Through field-work and group projects, students gain technical skills that will ensure high employability. Inquiry-based learning and ample opportunity for practical experience make this program unique.



OUR THEMES

Our programs are focused in four theme areas:

Plants and Animals



The sustainable management, production and genetic improvement of agricultural and domesticated plants and animals.

Areas of study:

Agricultural Biology
Agronomy (degree or diploma)
Animal Bioscience
Animal Science (major or minor)
Crop Science
Field Crop Production (minor)
Horticulture Science (major or minor)
Poultry Science (minor)
Rangeland Resources (minor)
Soil Science (major or minor)

Food, Feed and Bioproducts



The use of renewable resources to provide safe and accessible food, sustainable sources of nutrients, pharmaceuticals and fuels.

Areas of study:

Food and Bioproduct Sciences (major or minor)
Biotechnology (minor)
Nutrition (minor)

Soil, Environment and Ecology



Protecting renewable resources and the environment through responsible management and conservation of the world's soil, water and ecosystems.

Areas of study:

Applied Plant Ecology (major or minor)
Environmental Science
Soil Science (major or minor)
Rangeland Resources (minor)
Resource Economics and Policy
Resource Science

Agribusiness and Applied Economics



Management, entrepreneurship, policy and economics relating to agriculture and bioresources.

Areas of study:

Agribusiness (degree or diploma)
Agribusiness Entrepreneurship (minor)
Agricultural Economics
Resource Economics and Policy



DIPLOMAS

Graduates of the two-year diploma programs in agribusiness and agronomy are eligible for professional designation as Agricultural Technologists with the Saskatchewan Institute of Agrologists. As the diplomas are degree level courses, degrees can be completed with only two additional years of study.

Diploma in Agribusiness

Focus on the establishment and management of agricultural-based ventures. Delve into science, economics and business. Walk away with the essential skills for all aspects of the agri-food sector: farm inputs and outputs, transportation and processing, marketing and sales.

Diploma in Kanawayihetaytan Askiy – Indigenous Resource Management

Upon completion of the Kanawayihetaytan Askiy certificate you may choose to further develop your knowledge of resource management. This program teaches students the skills required for future employment as land managers as well as the scientific and traditional knowledge required for research and decision-making.

Diploma in Agronomy

Explore plant science, soil science, and agricultural and bioresource engineering. Possess practical skills in soil and crop diagnostics, equipment performance optimization and a broad knowledge of the agriculture sector. Use this diploma as a stepping stone to become a Certified Crop Advisor.

Diploma in Kanawayihetaytan Askiy – Indigenous Lands Governance

After completing the Kanawayihetaytan Askiy certificate you will have the opportunity to gain a more in-depth understanding of land governance. This program provides a background in governance, management, administration and political science as they relate to Indigenous communities.

VETERINARY MEDICINE REQUIREMENTS

If you are planning to apply to the Western College of Veterinary Medicine in the future, you can complete the two years of pre-veterinary requirements as part of a degree program in the College of Agriculture and Bioresources.

Be sure to speak to your academic advisor to make sure you select the right classes.

CERTIFICATES

Kanawayihetaytan Askiy Certificate

Let us take care of the land

Kanawayihetaytan Askiy is a uniquely designed certificate program that is focused on providing a broad range of topic areas specific to the management of lands and resources on federal reserve lands. This program examines basic environmental, legal and economic aspects of land and resource management in Indigenous communities.

Certificate in Prairie Horticulture

Designed for both professionals working in the horticulture industry and gardening enthusiasts, the Prairie Horticulture Certificate is a part-time, distance education program that provides all the essential tools to start your own business, advance your civic career, become a landscape horticulturalist or upgrade your teaching certification.



MORE INFORMATION
admissions.usask.ca

YOUR AGBIO EXPERIENCE



University should be about more than just classes. Getting involved and choosing to add extras to your degree will provide you with new experiences and skills. At the College of Agriculture and Bioresources you will have many opportunities to enhance your academic study with hands-on experiences, extracurricular activities, volunteer work and on-the-job training.

Paint the town... blue!

One of the most energetic and committed student bodies on campus resides in the College of Agriculture and Bioresources. Campus is enlivened by our students who are involved in debate, speaker nights, professional development days, social events with professors, charity events and entrepreneurial ventures.

Student groups

- Agricultural Students' Association (ASA)
- U of S Stockman's Club
 - Beef Team
 - Dairy Team
 - Judging Team
 - Rangeland Team
 - Rodeo Team
- Ag Bizz Club
- Canadian Agri-Marketing Association Student Chapter
- Environmental and Bioresources Student Association
- Environmental Sciences Student Association
- Food and Bioproduct Sciences Club
- Horticulture Club
- SASK 4-H Club

- Animal (Bio)Science Club
- Ducks Unlimited
- Ask An Agro

Learning Community

Learn to adapt more quickly to university by taking part in a Learning Community in your first year. You will benefit from the mentorship and support of successful upper-year students, as well as recent graduates, who will help you develop the skills you need to be successful in this new academic environment. For more information, visit usask.ca/lc.

RBC Learn to Work, Work To Learn

The RBC Learn to Work, Work to Learn program helps students develop the necessary skills to enter the workforce and to enhance their career opportunities. Through interactive workshops, events and a skills-focused learning course built around summer work experiences, this program gives students a variety of opportunities to network and gain insight from industry employers. For more information, visit agbio.usask.ca/learntowork.

READY TO APPLY?



Admission Requirements

In general, to gain admission to the College of Agriculture and Bioresources, you will need the following:

- Graduation from high school or secondary-level standing

A minimum five-subject admission average of 70% for high school students or 60% for post-secondary transfer students for:

- Bachelor of Science in Agribusiness
- Bachelor of Science in Agriculture
- Bachelor of Science in Renewable Resource Management
- Diploma in Agribusiness
- Diploma in Agronomy

An early admission average of 80% or expected target average* of 75%, based on a competitive ranking, for:

- Bachelor of Science in Animal Bioscience

- The following required subjects**:

DEGREE/DIPLOMA	REQUIREMENT
Bachelor of Science in Agriculture; Bachelor of Science in Animal Bioscience; Bachelor of Science in Renewable Resource Management; Diploma in Agronomy	<ul style="list-style-type: none">■ Mathematics■ Biology■ Chemistry
Bachelor of Science in Agribusiness; Diploma in Agribusiness	<ul style="list-style-type: none">■ Mathematics■ Biology OR Chemistry OR Physics

- English language proficiency

*Admission is based on a competitive ranking; expected target average provided for reference only.

**With the exception of the Bachelor of Science in Animal Bioscience, applicants may be admitted with one subject deficiency that must be cleared before the second year of study.

Conditional admission

If you are in progress of completing the requirements for admission, you can still apply and will be considered for conditional admission if you submit your most recent report card or transcript, as well as an official timetable or class schedule, to show the above requirements will be met.

Transfer agreements

Graduates of two-year diploma programs from Lakeland College, Lethbridge Community College, Medicine Hat College or Saskatchewan Polytechnic may be eligible for block transfer credit to specific programs in the College of Agriculture and Bioresources.

Scholarships

In addition to the scholarship opportunities available to all USask students, College of Agriculture and Bioresources students are eligible for a number of college-specific entrance scholarships and bursaries. Six \$10,000 high school student scholarships and one transfer student scholarship valued up to \$7,500 (\$2,500/year for up to three years) are available each year to students entering the College of Agriculture and Bioresources.



**UP-TO-DATE AND
PROVINCE-SPECIFIC
ADMISSION REQUIREMENTS**

admissions.usask.ca