

AGRICULTURE AND BIORESOURCES



BE YOU.

BE WHAT THE WORLD NEEDS



UNDERGRADUATE STUDIES



UNIVERSITY OF SASKATCHEWAN
College of Agriculture
and Bioresources
AGBIO.USASK.CA

COLLEGE OF AGRICULTURE AND BIORESOURCES

Rooted in history since 1912, the College of Agriculture and Bioresources (AgBio) at the University of Saskatchewan (USask) is growing the future.

Are you someone who wants to find innovative ways to feed the world and advance the responsible use of land, water and bioresources?

Tailor your studies to your interests to prepare for your future career. AgBio has 14 undergraduate programs to choose from, including degrees, diplomas and certificates!

Our graduates are in high demand, and we host multiple career networking events throughout the year for students to meet potential employers.

As an AgBio student you will:

- ✓ Learn from industry-leading researchers in one of the most modern and extensive facilities for agricultural science in the world.
- ✓ Receive hands-on learning experiences that combine both the 'how' and the 'why' to develop critical thinking skills.
- ✓ Enhance your university experience with the opportunity to join a student club in our active and enthusiastic AgBio student community.
- ✓ Develop professional career competencies that employers are looking to hire for.



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 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.

Majors

- Agricultural Biology
- Agricultural Economics
- Agronomy
- Animal Science
- Applied Plant Ecology
- Crop Science
- Environmental Science
- Food and Bioproduct Sciences
- Horticulture Science
- Soil Science

Minors

- Agribusiness
- Agribusiness Entrepreneurship
- Animal Science
- Applied Microbiology
- Applied Plant Ecology
- Biotechnology
- Field Crop Production
- Food and Bioproduct Sciences
- Horticulture Science
- Nutrition
- Rangeland Resources
- Soil Science
- Toxicology

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.

Major

- Agribusiness

Minors

- Agribusiness Entrepreneurship
- Field Crop Production

BACHELOR OF SCIENCE IN ANIMAL BIOSCIENCE

This degree 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.

Major

- Animal Bioscience

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BACHELOR OF SCIENCE IN FOOD AND NUTRITION

This degree meets the growing industry need for graduates with interdisciplinary training in both food science and nutrition. Students will build knowledge in food chemistry, food processing, and other related areas along with foundational knowledge of food nutrition and the role that nutrients play in human health. Possible careers for graduates of the program include nutritional researchers, wellness program co-ordinators, food product developers, food service co-ordinators and more.

Major

- Food and Nutrition

BACHELOR OF SCIENCE IN FOOD INDUSTRY MANAGEMENT

This degree meets the industry demand for graduates with interdisciplinary training in business, marketing and food science. Students in this program will learn advanced knowledge of food science, agri-food economics, food management practices, and food industry policy to prepare them for jobs in the booming agri-food sector. Possible careers for graduates of the program include food marketing manager, food processor and product development consultant, food operations manager, food policy and regulatory analyst, food industry entrepreneur and more.

Major

- Food Industry Management

BACHELOR OF SCIENCE IN RENEWABLE RESOURCE MANAGEMENT

This degree uses applied science to cover topics such as the sustainable management of land, biotic and water resources. Study the development of policies directly relevant to the management of these resources. Through fieldwork 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.

Majors

- Resource Science
- Resource Economics and Policy

Minors

- Animal Science
- Applied Plant Ecology (with Resource Science major)
- Rangeland Resources
- Soil Science
- Toxicology

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DIPLOMAS

AGRIBUSINESS DIPLOMA

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

AGRONOMY DIPLOMA

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.

INDIGENOUS LANDS GOVERNANCE DIPLOMA

This diploma provides students with a broad background in governance, management, administration, and political science as they relate to Indigenous communities.

INDIGENOUS RESOURCE MANAGEMENT DIPLOMA

This diploma 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.

Since our diploma programs feature degree level courses, you can choose to complete a degree with only two additional years of study!



CERTIFICATES

INTRODUCTORY AGRICULTURE CERTIFICATE

Study online or in-person at your own pace in the Introductory Agriculture Certificate. This program provides a base knowledge of agriculture in the Canadian Prairie Region. It is designed for experts who wish to broaden their scope of professional practise into agriculture. It's also beneficial to new and current students wanting to learn more about agriculture, individuals seeking entry level, non-professional agriculture employment, and to educators who want to deliver science-based agriculture programs in primary and secondary schools.

KANAWAYIHETAYTAN ASKIY CERTIFICATE "LET US TAKE CARE OF THE LAND"

This program examines basic environmental, legal and economic aspects of land and resource management in Indigenous communities. Completion of this certificate program meets requirements for Level Two: Technical Training of the National Aboriginal Land Managers Association's (NALMA) Professional Lands Management Certificate program. Visit nalma.ca for more info. This a direct-entry certificate.

PRAIRIE HORTICULTURE CERTIFICATE

Designed for both professionals working in the horticulture industry and gardening enthusiasts, the Prairie Horticulture Certificate is a part-time, non-degree level, 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.

PRECISION AGRICULTURE CERTIFICATE

This certificate is designed to allow you to gain knowledge and to develop experiential skill in precision agriculture by leveraging skills from your academic discipline. You will learn about the technologies used in precision agriculture (satellite imagery, global positioning systems, etc.) to measure and manage variability in crop production. To participate in the Precision Agriculture Certificate, students must already be enrolled in a USask undergraduate program.



THE AGBIO ADVANTAGE

PATHWAYS TO VETERINARY MEDICINE AND REGISTERED DIETITIAN (NON-DIRECT ENTRY PROGRAMS)

AgBio students can meet the prerequisites for admission to the Doctor of Veterinary Medicine (DVM) in the Western College of Veterinary Medicine while completing the requirements for the BSA Animal Science or the BSc Animal Bioscience.

AgBio students interested in becoming a Registered Dietitian can apply to the BSc in Nutrition degree offered by the USask College of Pharmacy and Nutrition. The prerequisites for admission for the BSc in Nutrition can be completed in the first year of the BSc Food and Nutrition program offered by AgBio. Students should speak to an academic advisor to ensure they select the correct classes for admission pathways.

PROFESSIONAL ACCREDITATION

Graduates of most degree programs in AgBio are eligible for Professional Agrologist (P.Ag.) membership in the Saskatchewan Institute of Agrologists (SIA), allowing them to engage in the practise of Agrology. Graduates of the two-year diploma programs in Agribusiness and Agronomy are eligible for professional designation as Agricultural Technologists with SIA.

SCHOLARSHIPS

In addition to the scholarship opportunities available to all USask students, AgBio students are eligible for college-specific entrance scholarships and bursaries.

Six \$12,000 renewable high school student scholarships (\$3,000/year over four years) and one \$12,000 renewable transfer student scholarship (\$3,000/year) are available each year to students entering AgBio, in addition to several competitive entrance scholarships.

AgBio offers several continuing scholarships for students after their first year in university plus scholarships for graduate students. In total, AgBio offers 1.6 million in scholarships, bursaries and awards for students.

TRANSFER AGREEMENTS

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



See back cover for how to apply for admission!



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NEXT STEPS TO GROW YOUR FUTURE!

Scan the QR code to discover more about our student experience including stories, videos and interviews!

The website also features information about admission requirements, application instructions and deadlines, and more detailed program information such as featured classes and sample schedules.



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CONNECT WITH AGBIO ONLINE!

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The University of Saskatchewan's main campus is situated on Treaty 6 Territory and the Homeland of the Métis.