



Agricultural science – the study and practice of food, feed and fibre production – is Canada’s largest employment sector. It plays a major role in the food we eat, the clothes we wear, and the environment where we live, work and play. But today’s agriculture is much more than that. Thanks to advances in research and discovery, the industry is leading a bio-based revolution that will transform the way we live and the way we look at life itself.

## Bachelor of Science in Agriculture – BSc(Agr)

Agricultural science will provide renewable resources for industrial uses, from car parts and building materials to fuel. It will provide new foods that will protect and enhance our health and well-being. It will protect our environment, sustain our communities, and provide new answers for a broad range of global challenges.

### ABOUT THE PROGRAM

Students entering into the Bachelor of Science in Agriculture program will be admitted as undeclared and have a common first year of core courses. During the first year, students are encouraged to discuss their future plans with staff and faculty to help them decide on one of the four majors in the Bachelor of Science in Agriculture. Students will choose from one of:

#### **Animal Science**

Develop your understanding of animal behaviour as well as housing and management systems that enhance farm animal welfare. Learn how environment affects productivity, how physiology affects reproduction, and how food quality, production and performance can be improved through animal breeding and good nutrition. Students have pursued this major as an entry point into the field of veterinary medicine.

#### **Crop, Horticulture and Turfgrass Sciences**

In this program, you will develop expertise in the science of plant agriculture with specific training in areas appropriate for either traditional crop production or more specific urban agricultural applications. Learn to apply your knowledge in ways that maintain biodiversity, protect environmental quality, capture opportunities in the bioeconomy, address public and scientific concerns and provide aesthetic, cultural and recreational opportunities.

#### **Honours Agriculture**

In addition to providing a core curriculum of agri-food related courses, this major allows you to shape your program to prepare for the career of your choice. Integrate courses from a number of disciplines and develop the comprehensive skills and knowledge preferred by many employers in today’s agri-food industry.

#### **Organic Agriculture**

In Organic Agriculture, you’ll study a broad range of courses in areas such as food production, food security, organic processing and marketing, environmental health, and rural community sustainability. The program offers a systems approach for the design and operation of organic crop and livestock production systems.



## LEARNING BEYOND THE CLASSROOM

Students in the Bachelor of Science in Agriculture have many opportunities to learn outside of the classroom.

- Work with faculty on an independent research course where you can design and implement an experiment under the supervision of an expert in the field.
- Join faculty on excursions to Costa Rica and the United States where you will learn about agriculture in other cultures.
- Study for a semester in another country on an exchange program or a study abroad program. Students have attended universities in countries such as Norway, England, Australia, New Zealand, the Netherlands and Austria.
- Gain experience in a relevant summer job while earning academic credit in our experiential education courses.
- Network with industry leaders at various career building events and career fairs.
- Participate in the Ontario Agricultural College Job Shadow program. Join a member of the industry as they bring you through a typical day in their job.
- Gain leadership skills while being a leader in the university community. Students have the opportunity to run a leadership conference, become a peer helper to help other students in various ways or run for student government.

## SENSE OF COMMUNITY

Students in the Bachelor of Science in Agriculture will join a close-knit community that has a history of pride, tradition and culture. As one of the founding colleges of the University of Guelph, the Ontario Agricultural College (OAC) has a long standing tradition of creating an environment where students can feel at home. Whether students are talking with the faculty member acting as their honorary class president, relaxing in the student lounge or competing with other classes to get spirit points, there are many ways to get involved.

## CAREERS

Here are some of the areas where BSc(Agr) graduates provide leadership in Canada and around the world:

Agri-business financial services	Communications/Journalism	Greenhouse management
Animal genetics	Community development	Government advisor
Animal health	Consumer information technology	Landscape management
Animal nutrition	Food safety & biosecurity	Plant breeding
Bioeconomy	Food system security	Turfgrass management

## ADMISSION REQUIREMENTS

Ontario secondary school students applying to the program require English (ENG4U), Advanced Functions (MHF4U), 2 courses in Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U), and 2 additional U/M courses. Please see the admission website for national and transfer admission requirements as well as estimated admission averages.

For more information, contact Admission Services:

Phone: 519 821 2130

Website: <http://admission.uoguelph.ca>

## FINANCING YOUR EDUCATION

Alumni, friends and partners of OAC support scholarships and awards each year for new and in-course students. The University of Guelph also provides a variety of scholarships and bursaries for deserving students. More information: [www.uoguelph.ca/registrar/studentfinance](http://www.uoguelph.ca/registrar/studentfinance)

**For more information on the Bachelor of Science in Agriculture, contact:**

**Melinda Vanryn**

Program Counsellor

519 824 4120 ext 54549

[mavanryn@uoguelph.ca](mailto:mavanryn@uoguelph.ca)

**or visit the OAC website:**

**[www.oac.uoguelph.ca](http://www.oac.uoguelph.ca)**

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