

Bachelor of Science in Agriculture

Animal Science



ABOUT THE PROGRAM

The Bachelor of Science in Agriculture – Animal Science (ANSC) major is designed to provide a broad opportunity to study animal physiology, nutrition, genetics, behaviour and welfare across a range of large and small domestic animal species. The program is designed around an option to follow a Production and Management focus or a Research focus in semesters 5-8. With a broad scope of career options, ANSC co-op students will build transferrable skills during co-op work terms contributing to their work readiness and career prospects upon graduation.

WHY CO-OP?

As a co-op student, you will gain relevant work experience, build professional networks, and develop essential transferable skills needed to succeed in the workplace, all while getting paid and earning your university degree. Guelph's co-op program is unique due to the exceptional level of support provided to students, including a job search preparatory course, a personal connection with a Co-op Coordinator to assist you during the employment process, and targeted work term reports to help you develop relevant skills.

COURSE SEQUENCING

The Animal Science program has two sample sequences that include 4-month, 8-month and 12-month options. These sequences meet the Co-operative Education and Work-Integrated Learning Canada (CEWIL) accreditation requirements.

YEAR	FALL	WINTER	SUMMER
ONE	Academic	Academic	Off
TWO	Academic	Academic	Work
THREE	Academic	Academic	Work
FOUR	Work	Work	Off
FIVE	Academic	Academic	



SAMPLE JOBS

Research Lab Assistant

Perform laboratory works related to the project of developing bacteriophage bioagents against common foodborne pathogens found in poultry. The Lab Assistant be involved in isolating and characterizing bacteriophages from variety of environmental samples. The Assistant will also be involved in multidisciplinary research teams to support the analysis, development, adoption and assessment of environmentally sustainable production practices in food and agriculture.

Farming Operations Intern

Provide excellent customer service by assisting farmers to continually meet best management practices at the farming operations, ensuring continued confidence in the safety and quality of our product and achieving sustainable excellence by minimizing our environmental footprint.

QC Chemist

Chemical, physical, spectroscopic and chromatographic examination of raw materials and finished product. The chemist will prepare test solutions, reagents, standards and other common laboratory solutions; Record keeping to cGMP standards. Maintenance of laboratory equipment and environment.

SAMPLE EMPLOYERS*

- Agriculture & Agri-Food Canada
- Canadian Food Inspection Agency (CFIA)
- Chicken Farmers of Ontario
- Environment & Climate Change Canada
- Gay Lea Foods
- Maple Leaf Foods

*Sample co-op employer list only. Employers will vary depending on recruitment needs. During a job search, students are encouraged to be actively engaged and are also supported in establishing and maintaining their own personal contacts.

SALARY INFORMATION

Students receive compensation from their employer for co-op work terms. The rate of pay will vary depending on a number of factors including the industry, the student's program of study, and work term level. For your reference, a Co-operative Education Salary Guide is available on our website, which provides hourly rates (averages and ranges) for each degree program.

SKILLS & KNOWLEDGE ACQUIRED

- Strong knowledge of various areas of animal science including animal physiology, nutrition genetics behaviour and welfare
- Hands-on experience working with a range of large and small domestic animal species
- Well-developed written and verbal communication, and interpersonal competencies
- Advanced skills in presentation delivery