

Agriculture



The Associate Diploma in Agriculture combines hands-on experiences in agricultural production with the technical and practical skills required to successfully operate a farm or work in agribusiness. Students learn about the science, technology, and business of agriculture. They gain knowledge and develop the skills needed to work in the ever-evolving Canadian agriculture sector. As well, students have opportunities to gain additional certifications, such as the Grower Pesticide Safety Course, which can be completed within the regular course of studies.

University of Guelph Advantage

The Ontario Agricultural College (OAC) of the University of Guelph is internationally renowned for its research, teaching and knowledge extension. This program provides a practical, skills-oriented approach to agricultural production systems and affords its students an opportunity to improve their business and managerial skills. Diploma in Agriculture students integrate practical experience in agricultural production with the technical and scientific information that is required to successfully manage modern food production enterprises. Business management, computer skills, and problem-solving activities provide students with the knowledge and skills they require as managers of production systems, and as technical/sales employees of agri-business firms, commodity boards, and other agencies related to the agri-food system.

The co-op work term is scheduled after the second academic semester, providing a foundation on which to build the work experience.

Student Strengths

- Broad-base knowledge and understanding of agriculture
- Foundational knowledge and understanding in a particular area of agri-business, crop, livestock, fruit and/or vegetable production
- Combine applied and practical experiences with lectures and labs
- Ability to apply analytical and problem-solving skills through teamwork to analyze the current industry issues and how to solve them
- Strong oral and written communication experience

Agriculture Course Sequencing

YEAR	FALL (SEPT-DEC)	WINTER (JAN-APRIL)	SUMMER (MAY-AUG)
ONE	<ul style="list-style-type: none"> • INTRODUCTION TO CO-OPERATIVE EDUCATION • LIVESTOCK SYSTEMS • INTRODUCTION TO BUSINESS MANAGEMENT • COMMUNICATIONS & SOFTWARE APPLICATIONS I • APPLIED PLANT SCIENCE • SOIL PRINCIPLES • APPLIED MATHEMATICS 	<ul style="list-style-type: none"> • AGRICULTURAL MECHANIZATION AND SAFETY • FINANCIAL MANAGEMENT • COMMUNICATIONS & SOFTWARE APPLICATIONS II • APPLIED WEED SCIENCE • 2 RESTRICTED ELECTIVES 	WORK TERM
TWO	<ul style="list-style-type: none"> • INTRODUCTION TO AGRICULTURAL ECONOMICS & MARKETING • CORN AND OILSEED MANAGEMENT • AGRICULTURE AND ENVIRONMENTAL STEWARDSHIP • 3 ELECTIVES OR RESTRICTED ELECTIVES 	<ul style="list-style-type: none"> • HUMAN RESOURCE MANAGEMENT • FARM ANALYSIS PROJECT OR BUSINESS PROJECT • COMMODITY MARKETING OR MARKETING • 3 ELECTIVES OR RESTRICTED ELECTIVES 	

RESTRICTED ELECTIVES: STUDENTS MUST TAKE A MINIMUM OF 3.00 ELECTIVE CREDITS FROM THE FOLLOWING LISTS.

PLANT PRODUCTION

- CEREAL AND FORAGE MANAGEMENT
- INSECT AND DISEASE MANAGEMENT
- FRUIT PRODUCTION
- VEGETABLE PRODUCTION
- CROPPING SYSTEMS
- CROP DIAGNOSTICS AND RECOMMENDATIONS
- GREENHOUSE MANAGEMENT
- PLANT PROPAGATION
- GREENHOUSE VEGETABLE PRODUCTION

A MINIMUM OF 0.50 CREDITS OF THE FOLLOWING:

- BUSINESS PROJECT
- FARM ANALYSIS PROJECT

GENERAL AGRICULTURE

- PRECISION AGRICULTURE
- VITICULTURE AND OENOLOGY
- MACHINERY MAINTENANCE
- LEADERSHIP
- RENEWABLE ENERGY AND AGRICULTURE
- ORGANIC PRODUCTION
- FARM STRUCTURES AND ENVIRONMENT
- NUTRIENT MANAGEMENT

A MINIMUM OF 0.50 CREDITS OF THE FOLLOWING:

- MARKETING
- SALES AND SALES MANAGEMENT
- COMMODITY MARKETING

LIVESTOCK PRODUCTION

- ANIMAL SCIENCE
- BEEF PRODUCTION
- PORK PRODUCTION
- DAIRY PRODUCTION MANAGEMENT
- ANIMAL HEALTH
- POULTRY PRODUCTION
- SMALL RUMINANT PRODUCTION
- DAIRY HERD MANAGEMENT
- RUMINANT NUTRITION
- ADVANCED TOPICS IN DAIRY PRODUCTION

STUDENTS MAY TAKE A MAXIMUM OF 1.00 CREDITS FROM THE FOLLOWING EXPERIENTIAL LEARNING COURSES AS ELECTIVES:

- INTRODUCTION TO US AGRICULTURE
- BELIZE STUDY TOUR
- US AGRICULTURE STUDY TOUR
- DAIRY STUDY TOUR
- EXPERIENTIAL LEARNING IN AGRICULTURE
- SPECIAL PROJECT

BASED ON THE 2022/23 ASSOCIATE DIPLOMA CALENDAR

PLEASE SEE THE CURRENT ASSOCIATE DIPLOMA CALENDAR FOR MORE INFORMATION