

# AGRICULTURE (AGR)

## Dean's Office, Ontario Agricultural College

The minor in Agriculture is intended to enhance the understanding of ways to grow food sustainably through the science of agriculture. Through a combination of core courses and restricted electives, students will learn the science of agriculture in various paths. Students in a non-science major should consult with the Program Counsellor for the Bachelor of Science in Agriculture about their science background.

## Minor Requirements (Honours)

**This minor is not open to students registered in the degree: Bachelor of Science in Agriculture.**

The requirement of 5.00 credits for the minor is divided into three groups of courses: required courses and two lists of restricted electives. Students should ensure that they obtain the necessary prerequisites for required and restricted elective courses. Students should seek academic counselling from the B.Sc.(Agr.) Program Counsellor early in their program.

A minimum of 5.00 credits is required including:

Code	Title	Credits
AGR*1110	Introduction to the Agri-Food Systems	1.00
Select 1.50 credits from Restricted Elective List A		1.50
Select 2.50 credits from Restricted Elective List B		2.50

## Restricted Electives

### List A

1.50 credits from the following Restricted Elective list:

Code	Title	Credits
AGR*1350	Animal Production Systems and Industry: Dairy, Poultry and Egg	0.50
AGR*2050	Agroecology	0.50
AGR*2320	Soils in Agroecosystems	0.50
AGR*2350	Animal Production Systems and Industry: Beef, Swine and Others	0.50
AGR*2470	Introduction to Plant Agriculture	0.50
AGR*2500	Field Course in International Agriculture	0.50
FARE*1400	Economics of the Agri-Food System	1.00
FOOD*3090	Food Science and Human Nutrition	0.50

### List B

2.50 credits from the following Restricted Elective list, without regard to group:

Note: At least 0.50 credits from the following list must be at the 4000 level and 1.00 credits at the 3000 level or higher.

Code	Title	Credits
<b>Agronomy</b>		
CROP*3300	Grain Crops	0.50
CROP*3310	Protein and Oilseed Crops	0.50
CROP*3340	Managed Grasslands	0.50
CROP*4220	Cropping Systems	0.50
CROP*4240	Weed Science	0.50

HORT*4380	Tropical and Sub-Tropical Crops	0.50
PBIO*3110	Crop Physiology	0.50

### Animal Science

ANSC*2210	Principles of Animal Care and Welfare	0.50
ANSC*2340	Structure of Farm Animals	0.50
ANSC*3080	Agricultural Animal Physiology	0.50
MBG*2400	Fundamentals of Plant and Animal Genetics	0.50
MBG*3060	Quantitative Genetics	0.50

### Environmental Biology

ENVS*2040	Plant Health and the Environment	0.50
ENVS*3020	Pesticides and the Environment	0.50
ENVS*3040	Natural Chemicals in the Environment	0.50
ENVS*3210	Plant Pathology	0.50
ENVS*4100	Integrated Management of Invasive Insect Pests	0.50

### Horticultural Science

HORT*3150	Principles and Applications of Plant Propagation	0.50
HORT*3280	Greenhouse Production	0.50
HORT*4300	Postharvest Physiology	0.50
PBIO*3110	Crop Physiology	0.50
PBIO*3750	Plant Tissue Culture	0.50

### Resource Management

ENVS*2120	Introduction to Environmental Stewardship	0.50
ENVS*2030	Meteorology and Climatology	0.50
ENVS*3050	Microclimatology	0.50
ENVS*3080	Soil and Water Conservation	0.50
ENVS*4090	Soil Management	0.50
ENVS*4160	Soil and Nutrient Management	0.50

Students may also count the following courses as restricted electives:

Code	Title	Credits
AGR*4600	Agriculture and Food Issues Problem Solving	1.00
BIOL*1050	Biology of Plants & Animals in Managed Ecosystems	0.50
FARE*4000	Agricultural and Food Policy	0.50
FARE*4220	Advanced Agribusiness Management	0.50
IAEF*3500	Experiential Education	0.50
IAEF*3510	Interdisciplinary Flexible Internship	0.50