

FOOD, AGRICULTURAL AND RESOURCE ECONOMICS CO-OP (FARE:C)

Department of Food, Agricultural and Resource Economics, Ontario Agricultural College

The food and agriculture sector connects people with the world's natural resource base and is at the heart of many of the most pressing global issues. In this major, students will acquire the analytical and management skills needed to effectively deal with emerging issues and challenges related to food and agriculture, such as food poverty, food safety and insecurity and sustainability. Building on an understanding of economic theory and applied methods in both the Canadian and world context, a variety of career opportunities arise in industry, government agencies and non-governmental organizations.

Beyond the core offering, the major provides the flexibility for students to pursue thematic areas of study, as well as an opportunity to take additional liberal arts courses. In addition, this major provides excellent background for those students planning to undertake graduate work in food, agricultural or resource economics and other fields of applied economics.

The principle aim of the Co-op program in Food, Agricultural and Resource Economics is to facilitate the transition of students from academic studies to a professional career by enhancing the integration of theory and practice.

The major is administered by the Department of Food, Agricultural and Resource Economics in the Ontario Agricultural College and students are urged to consult the faculty advisor.

Program Requirements

The Co-op program in Food, Agricultural and Resource Economics is a five year program, including five work terms. Students must follow the academic work schedule as outlined below (also found on the Co-operative Education website: <https://www.recruitguelph.ca/cecs/>).

Food, Agricultural and Resource Economics Academic and Co-op Work Term Schedule

Year	Fall	Winter	Summer
1	Academic Semester 1	Academic Semester 2	Off
2	Academic Semester 3, COOP*1100	Academic Semester 4	COOP*1000 Work Term I
3	COOP*2000 Work Term II	Academic Semester 5	COOP*3000 Work Term III
4	Academic Semester 6	COOP*4000 Work Term IV	COOP*5000 Work Term V
5	Academic Semester 7	Academic Semester 8	N/A

To be eligible to continue in the Co-op program, students must meet a minimum 70% cumulative average requirement after second semester, as well as meet all work term requirements. Please refer to the Co-operative

Education program policy with respect to work term performance grading, work term report grading and program completion requirements.

For additional program information students should consult with their Co-op Co-ordinator and Co-op Faculty Advisor, listed on the Co-operative Education web site.

Credit Summary

(22.50 Total Credits)

Code	Title	Credits
Required Core Courses		9.50
Restricted Electives (minimum 0.50 credits at the 4000 level)		2.00
Free Electives		7.00
Humanities (over at least two subject areas)		1.50
Co-op Work Terms		2.50
Total Credits		22.5

The recommended program sequence is outlined below.

Major

Code	Title	Credits
Semester 1 - Fall		
AGR*1110	Introduction to the Agri-Food Systems	1.00
ECON*1050	Introductory Microeconomics	0.50
0.50 electives		0.50
Select 0.50 credits from the following:		
MATH*1030	Business Mathematics	0.50
MATH*1080	Elements of Calculus I	0.50
MATH*1200	Calculus I	0.50
Semester 2 - Winter		
ACCT*1220	Introductory Financial Accounting	0.50
ECON*1100	Introductory Macroeconomics	0.50
FARE*1300	Poverty, Food and Hunger	0.50
FARE*1400	Economics of the Agri-Food System	1.00
Semester 3 - Fall		
COOP*1100	Introduction to Co-operative Education	0.00
ECON*2310	Intermediate Microeconomics	0.50
ECON*2740	Economic Statistics	0.50
FARE*2700	Survey of Natural Resource Economics	0.50
1.00 electives or restricted electives		1.00
Semester 4 - Winter		
ECON*2410	Intermediate Macroeconomics	0.50
ECON*2770	Introductory Mathematical Economics	0.50
FARE*2410	Agri-food Markets and Policy	0.50
1.00 electives or restricted electives		1.00
Summer Semester		
COOP*1000	Co-op Work Term I	0.50
Fall Semester		
COOP*2000	Co-op Work Term II	0.50
Semester 5 - Winter		
FARE*3170	Cost-Benefit Analysis	0.50
2.00 electives or restricted electives		2.00
Summer Semester		

COOP*3000	Co-op Work Term III	0.50
Semester 6 - Fall		
ECON*3740	Introduction to Econometrics	0.50
2.00 electives or restricted electives		2.00
Winter Semester		
COOP*4000	Co-op Work Term IV	0.50
Summer Semester		
COOP*5000	Co-op Work Term V	0.50
Semester 7 - Fall		
FARE*3030	The Firm and Markets	0.50
2.00 electives or restricted electives		2.00
Semester 8 - Winter		
FARE*4000	Agricultural and Food Policy	0.50
2.00 electives or restricted electives		2.00

Restricted Electives

A minimum of 2.00 credits from the following list, regardless of area:

Code	Title	Credits
Food and Agribusiness Management		
FARE*4220	Advanced Agribusiness Management	0.50
FARE*4240	Futures and Options Markets	0.50
FARE*4360	Marketing Research	0.50
FARE*4370	Food & Agri Marketing Management	0.50
MGMT*3320	Financial Management	0.50
Food Industry Economics and Management		
FARE*3310	Operations Management	0.50
FARE*3320	Supply and Value Chain Management	0.50
FARE*4330	Advanced Operations Management In the Agri-Food Sector	0.50
FARE*4380	Agri-Food Retailing, Merchandising and Sales	0.50
FARE*4500	Decision Science	0.50
International Agricultural Development Economics		
ECON*2650	Introductory Development Economics	0.50
FARE*3000	International Food Sector and Policy Analysis	0.50
FARE*3250	Food Security, Nutrition and International Development	0.50
Resource Economics		
ECON*4930	Environmental Economics	0.50
FARE*4290	Land Economics	0.50
FARE*4310	Resource Economics	0.50

Notes: A student may obtain permission to substitute certain other courses for the ones listed if the substitute courses fit with the students' program. Approval from a departmental advisor is required. Unless taken to satisfy the requirements of another program, no student may receive credit in this program for more than one of the following statistics prerequisites ECON*2740 Economic Statistics, STAT*2040 Statistics I, STAT*2060 Statistics for Business Decisions, or STAT*2080 Introductory Applied Statistics I.