EQUINE MANAGEMENT MAJOR CO-OP (EQM:C)

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

The major in Equine Management focuses on the development of leaders with a genuine regard for all horses and their well-being, a conscious concern for the environment, and a passionate interest in all aspects of the horse industry. The program combines a solid background in business, biological sciences and equine management through practical and theoretical experience. It provides in-depth understanding of the economic, environmental and social dimensions of all equine disciplines with a broad and current knowledge of horse industry issues and develops the skills to gather, access, interpret and apply industry data. In consultation with the faculty advisor, students can participate in international exchange. Students can also incorporate a variety of field trips, experiential learning in the workplace and independent research projects into their program.

This program is designed to partially meet the current requirements for entry into the DVM program of the Ontario Veterinary College. Students who are considering this option should contact their program counselor early in their studies. Prospective candidates for the DVM program should consult the admission requirements for the program.

Students taking the degree may also take a minor in another subject area. A maximum of 2.50 credits required for the BBRM.EM co-op program may be applied to meet the requirements of a minor. Students should note that completion of a minor may require additional credits beyond the 20.00 required for the program. Students intending to acquire a minor should consult with their Program Counsellor.

Program Requirements

The Co-op program in Equine Management is a five-year program including four work terms. Students must complete a Fall, Winter and Summer work term, and must follow the academic work schedule as outlined below (also found on the Co-operative Education website: https://www.recruitguelph.ca/cecs/). Please refer to the Co-operative Education program policy with respect to adjusting this schedule.

Equine Management 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	Academic Semester 5	Academic Semester 6	COOP*2000 Work Term II
4	COOP*3000 Work Term III	COOP*4000 Work Term IV	Off
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

(22.00 Total Credits)

Code	Title	Credits
Required Courses		13.50
Restricted Electives		5.00
Free Electives		1.50
Co-op Work Terms		2.00
Total Credits		**22**

Of these credits, a minimum of 6.00 credits are required at the 3000-level or higher, of which at least 2.00 credits must be at the 4000-level.

Major

Code	Title	Credits
Semester 1 - Fall		
BIOL*1050	Biology of Plants & Animals in Managed Ecosystems	0.50
BIOL*1090	Introduction to Molecular and Cellular Biology	0.50
ECON*1050	Introductory Microeconomics	0.50
EQN*1010	Introduction to Equine Management	1.00
Semester 2 - Winter		
ACCT*1220	Introductory Financial Accounting	0.50
ANSC*1210	Principles of Animal Care and Welfare	1.00
EQN*2040	Equine Anatomy and Physiology	0.50
CHEM*1040 or CHEM*1100	General Chemistry I Chemistry Today	0.50
Summer Semester		
Off		
Semester 3 - Fall		
ACCT*2230	Management Accounting	0.50
COOP*1100	Introduction to Co-operative Education	0.00
ENVS*2060	Soil Science	0.50
EQN*2080	Equine Event Management	1.00
EQN*2200	Equine Industry Trends and Issues I	0.50
Semester 4 - Winter		
EQN*2050	Introduction to Equine Nutrition	0.50
EQN*2150	Equine Facility Management and Design	0.50
1.50 electives or restricted electives		1.50
Summer Semester		
COOP*1000	Co-op Work Term I	0.50
Semester 5 - Fall		
ANSC*3080	Agricultural Animal Physiology	0.50
CROP*3340	Managed Grasslands	0.50
EQN*3250	Equine Exercise Physiology	0.50
STAT*2060	Statistics for Business Decisions	0.50
0.50 electives or restricted electives		0.50

Semester 6 - Winter		
EQN*3060	Equine Reproduction	0.50
EQN*3070	Equine Health Management	0.50
1.50 electives or restricted electives		1.50
Summer Semester		
COOP*2000	Co-op Work Term II	0.50
Fall Semester		
COOP*3000	Co-op Work Term III	0.50
Winter Semester		
COOP*4000	Co-op Work Term IV	0.50
Summer Semester		
Off		
Semester 7 - Fall		
EQN*4400	Equine Industry Trends and Issues II	0.50
2.00 electives or restricted electives		2.00
Semester 8 - Winter		
EQN*4020	Advanced Equine Nutrition	0.50
EQN*4500	Equine Integrated Project	1.00
1.00 electives or restricted electives		1.00

Restricted Electives

Students must select a minimum of 5.00 credits from the following three lists of restricted electives.

Students should note that some restricted electives require other courses not included among the required courses for the major as prerequisites. Students should consult the most recent undergraduate calendar for specific requirements.

A. Students must select a minimum of 1.50 credits from any of the following lists:

Code	Title	Credits
Animal Biology		
AGR*2350	Animal Production Systems, Health and Industry	0.50
ANSC*3090	Principles of Animal Behaviour	0.50
ANSC*3270	Animal Disorders	0.50
ANSC*4090	Applied Animal Behaviour and Welfare	0.50
ANSC*4100	Applied Environmental Physiology and Animal Housing	0.50
ANSC*4490	Applied Endocrinology	0.50
ANSC*4650	Comparative Immunology	0.50
POPM*4230	Animal Health	0.50
Genetics		
MBG*2040	Foundations in Molecular Biology and Genetics	0.50
MBG*2400	Fundamentals of Plant and Animal Genetics	0.50
MBG*3060	Quantitative Genetics	0.50
MBG*4020	Genetics of Companion Animals	0.50
MBG*4030	Animal Breeding Methods and Applications	0.50
Pasture and Turf Management		
ENVS*3080	Soil and Water Conservation	0.50
ENVS*3140	Management of Turfgrass Diseases	0.50
ENVS*4090	Soil Management	0.50
or ENVS*4160	Soil and Nutrient Management	
HORT*2450	Introduction to Turfgrass Science	0.50
HORT*3050	Management of Turfgrass Insect Pests and Weeds	0.50
HORT*4450	Advanced Turfgrass Science	0.50
Advance Nutrition		
BIOC*2580	Introduction to Biochemistry	0.50
CHEM*1050	General Chemistry II	0.50
NUTR*3210	Fundamentals of Nutrition	0.50

B. Students must select a minimum of 1.50 credits from any of the following lists:

Code	Title	Credits
Accounting		
ACCT*3230	Intermediate Management Accounting	0.50
ACCT*4230	Advanced Management Accounting	0.50
Business Management		
HROB*2010	Foundations of Leadership	0.50
HROB*2090	Individuals and Groups in Organizations	0.50
HROB*4010	Leadership Certificate Capstone	0.50
MGMT*2150	Introduction to Canadian Business Management	0.50
MGMT*3020	Corporate Social Responsibility	0.50
MGMT*3320	Financial Management	0.50
Food, Agricultural and Resource Economics		
FARE*2700	Survey of Natural Resource Economics	0.50
FARE*3310	Operations Management	0.50
FARE*3170	Cost-Benefit Analysis	0.50
FARE*4220	Advanced Agribusiness Management	0.50
FARE*4360	Marketing Research	0.50
FARE*4370	Food & Agri Marketing Management	0.50
FARE*4290	Land Economics	0.50
FARE*4550	Independent Studies I	0.50
Marketing		
MCS*1000	Introductory Marketing	0.50
MCS*2020	Information Management	0.50
MCS*2600	Fundamentals of Consumer Behaviour	0.50
MCS*3000	Advanced Marketing	0.50
MCS*3040	Business and Consumer Law	0.50
MCS*3620	Marketing Communications	0.50

C. Students may also count any of the following courses as restricted electives:

Code	Title	Credits
AGR*3010	Special Studies in Agricultural Science I	0.50
AGR*3200	Computing for Bioscientists	0.50
AGR*4010	Special Studies in Agricultural Science II	0.50
AGR*4450	Research Project I	1.00
AGR*4460	Research Project II	1.00
AGR*4600	Agriculture and Food Issues Problem Solving	1.00
ANSC*4350	Experiments in Animal Biology	0.50

ANSC*4610	Critical Analysis in Animal Science	0.50
ECON*1100	Introductory Macroeconomics	0.50
EDRD*2020	Interpersonal Communication	0.50
EDRD*3050	Agricultural Communication	0.50
EDRD*3140	Organizational Communication	0.50
EDRD*3400	Sustainable Communities	0.50
EDRD*4120	Leadership Development in Small Organizations	0.50
EQN*2500	Equine Field Course	0.50
PSYC*1000	Introduction to Psychology	0.50