

# EQUINE MANAGEMENT (EQM)

Department of Animal Biosciences and the 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.EQM or BBRM.EQM:C 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.

## Major Requirements (Honours)

This is a major within the degree: Bachelor of Bio-Resource Management.

This major will require the completion of 20.00 credits: 13.00 from required courses, 5.00 from restricted electives and 2.00 electives. 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.

Code	Title	Credits
<b>Semester 1</b>		
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
<b>Semester 2</b>		
ACCT*1220	Introductory Financial Accounting	0.50
ANSC*2210	Principles of Animal Care and Welfare	0.50
ANSC*2340	Structure of Farm Animals	0.50
CHEM*1040	General Chemistry I	0.50
0.50 electives or restricted electives		0.50
<b>Semester 3</b>		
ACCT*2230	Management Accounting	0.50
ENVS*2060	Soil Science	0.50
EQN*2080	Equine Event Management	1.00
0.50 elective or restricted electives		0.50

### Semester 4

EQN*2200	Equine Industry Trends and Issues I	0.50
EQN*2050	Introduction to Equine Nutrition	0.50
EQN*3070	Equine Health Management	0.50
1.00 electives or restricted electives		1.00

### Semester 5

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

ANSC*3040	Animal Reproduction	0.50
EQN*3100	Equine Facility Management and Design	0.50
1.50 electives or restricted electives		1.50

### Semester 7

EQN*4400	Equine Industry Trends and Issues II	0.50
2.00 electives or restricted electives		2.00

### Semester 8

EQN*4020	Advanced Equine Nutrition	0.50
EQN*4500	Equine Industry 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 (grouped by topic areas):

Code	Title	Credits
<b>Animal Biology</b>		
AGR*1350	Animal Production Systems and Industry: Dairy, Poultry and Egg	0.50
AGR*2350	Animal Production Systems and Industry: Beef, Swine and Others	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
<b>Genetics</b>		
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
<b>Pasture and Turf Management</b>		
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
<b>Advanced Nutrition</b>		
BIOC*2580	Introduction to Biochemistry	0.50
CHEM*1050	General Chemistry II	0.50
NUTR*3210	Fundamentals of Nutrition	0.50

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
ANSC*4700	Research in Animal Biology I	0.50
ANSC*4710	Research in Animal Biology II	0.50
ECON*1100	Introductory Macroeconomics	0.50
EDRD*3140	Organizational Communication	0.50
EDRD*4120	Leadership Development in Small Organizations	0.50
EQN*2000	Equine Internship	1.00
EQN*2500	Equine Field Course	0.50
IAEF*3500	Experiential Education	0.50
IAEF*3510	Interdisciplinary Flexible Internship	0.50
PSYC*1000	Introduction to Psychology	0.50

- B. Students must select a minimum of 1.50 credits from any of the following lists (grouped by topic areas):

Code	Title	Credits
<b>Accounting</b>		
ACCT*3230	Intermediate Management Accounting	0.50
ACCT*4230	Advanced Management Accounting	0.50
<b>Business and Management</b>		
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	Principles of Responsible Organizations	0.50
<b>Food, Agricultural and Resource Economics</b>		
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
<b>Marketing</b>		
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	Integrated 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	0.50
AGR*4460	Research Project II	1.00

## Co-op Requirements (Honours)

This is a major within the degree: Bachelor of Bio-Resource Management.

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.

### 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

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		13.00
Restricted Electives		5.00
Free Electives		2.00

Co-op Work Terms	2.00
<b>Total Credits</b>	<b>22</b>

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.

## Recommended Program Sequence

Code	Title	Credits
<b>Semester 1 - Fall</b>		
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
<b>Semester 2 - Winter</b>		
ACCT*1220	Introductory Financial Accounting	0.50
ANSC*2210	Principles of Animal Care and Welfare	0.50
ANSC*2340	Structure of Farm Animals	0.50
CHEM*1040	General Chemistry I	0.50
0.50 electives or restricted electives		0.50
<b>Summer Semester</b>		
No academic semester or work term		
<b>Semester 3 - Fall</b>		
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
0.50 electives or restricted electives		0.50
<b>Semester 4 - Winter</b>		
EQN*2050	Introduction to Equine Nutrition	0.50
EQN*2200	Equine Industry Trends and Issues I	0.50
EQN*3070	Equine Health Management	0.50
1.00 electives or restricted electives		1.00
<b>Summer Semester</b>		
COOP*1000	Co-op Work Term I	0.50
<b>Semester 5 - Fall</b>		
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
<b>Semester 6 - Winter</b>		
ANSC*3040	Animal Reproduction	0.50
EQN*3100	Equine Facility Management and Design	0.50
1.50 electives or restricted electives		1.50
<b>Summer Semester</b>		
COOP*2000	Co-op Work Term II	0.50
<b>Fall Semester</b>		
COOP*3000	Co-op Work Term III	0.50
<b>Winter Semester</b>		
COOP*4000	Co-op Work Term IV	0.50
<b>Summer Semester</b>		

No academic semester or work term		
<b>Semester 7 - Fall</b>		
EQN*4400	Equine Industry Trends and Issues II	0.50
2.00 electives or restricted electives		2.00
<b>Semester 8 - Winter</b>		
EQN*4020	Advanced Equine Nutrition	0.50
EQN*4500	Equine Industry Project	1.00
1.00 electives or restricted electives		1.00

## Restricted Electives

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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.

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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
<b>Genetics</b>		
MBG*2040	Foundations in Molecular Biology and Genetics	0.50
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MBG*3060	Quantitative Genetics	0.50
MBG*4020	Genetics of Companion Animals	0.50
MBG*4030	Animal Breeding Methods and Applications	0.50
<b>Pasture and Turf Management</b>		
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
<b>Advance Nutrition</b>		
BIOC*2580	Introduction to Biochemistry	0.50

CHEM*1050	General Chemistry II	0.50	EQN*2500	Equine Field Course	0.50
NUTR*3210	Fundamentals of Nutrition	0.50	PSYC*1000	Introduction to Psychology	0.50

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

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ACCT*4230	Advanced Management Accounting	0.50
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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	Principles of Responsible Organizations	0.50
<b>Food, Agricultural and Resource Economics</b>		
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
<b>Marketing</b>		
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	Integrated Marketing Communications	0.50

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Code	Title	Credits
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AGR*3200	Computing for Bioscientists	0.50
AGR*4010	Special Studies in Agricultural Science II	0.50
AGR*4450	Research Project I	0.50
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
ANSC*4700	Research in Animal Biology I	0.50
ANSC*4710	Research in Animal Biology II	0.50
ECON*1100	Introductory Macroeconomics	0.50
EDRD*3140	Organizational Communication	0.50
EDRD*4120	Leadership Development in Small Organizations	0.50
EQN*2000	Equine Internship	1.00