

EQUINE MANAGEMENT MAJOR (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 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.

This major will require the completion of 20.00 credits: 13.50 from required courses, 5.00 from restricted electives and 1.50 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 |
|----------------------------|---|---------|
| 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 |
| Semester 3 - Fall | | |
| ACCT*2230 | Management Accounting | 0.50 |
| 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 | | |

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| 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 |
| 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 |
| 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.

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

| 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 |

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| 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 |
| Advanced Nutrition | | |
| BIOC*2580 | Introduction to Biochemistry | 0.50 |
| CHEM*1050 | General Chemistry II | 0.50 |
| NUTR*3210 | Fundamentals of Nutrition | 0.50 |

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| 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*2000 | Equine Internship | 0.50 |
| EQN*2500 | Equine Field Course | 0.50 |
| IAEF*3500 | Experiential Education | 0.50 |
| PSYC*1000 | Introduction to Psychology | 0.50 |

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

| Code | Title | Credits |
|--|--|---------|
| Accounting | | |
| ACCT*3230 | Intermediate Management Accounting | 0.50 |
| ACCT*4230 | Advanced Management Accounting | 0.50 |
| Business and 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 |

3. 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 |