Equine Science and Management Undergraduate Degree

University of Kentucky Equine Science and Management undergraduate degree program emphasis areas are equine science, equine business, community leadership and development, and forages/pasture management. Students must complete nine credit hours in an emphasis area, in addition to 12 additional credits from other emphasis areas. Multiple emphasis areas can be selected.

It starts with us
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Science
Provides a strong background in basic sciences, preparing students for graduate school or careers that include laboratory research assistants, breeding technicians, pharmaceutical sales representatives or technical representatives for the feed industry. Courses include:
ASC 311  Advanced Equine Evaluation
ASC 389  Equine Nutrition
ASC 410G Equine Science
VS 500  Advanced Equine Reproduction
VS 307  Genetics of the Horse
ASC 378  Animal Nutrition and Feeding
ASC 364  Reproductive Physiology of Farm Animals
ASC 325  Animal Physiology
ASC 362  Animal Genetics
EQM 300  Topics in Equine Science and Management

Business
Teaches skills related to marketing, operations and management of equine businesses, preparing students for careers as farm managers or business managers for equine enterprises, breed associations and sales associates. Area also highlights the equine industry’s diversity through courses in equine law, sales, careers, event planning, marketing and human resources. Courses include:
AEC 305  Food & Agricultural Marketing Principles
AEC 320  Agriculture Product Marketing & Sales
AEC 300  Special Topics in Agricultural Economics – Equine Marketing
AEC 340  Human Resource Management in Agriculture
EQM 106  Introduction to Equine Careers
EQM 205  Equine Career Preparation
EQM 301  Thoroughbred Sales
EQM 302  Equine Event Planning
AEC 325  Equine Law
AEC 324  Ag Law
MKT 300  Marketing Management
EQM 300  Topics in Equine Science and Management

Community and Leadership Development
For students interested in leadership roles in business, breed associations or nonprofit equine organizations and Cooperative Extension. Courses enhance students’ communication skills and bolster awareness about community dynamics, leadership development and agriculture communication. Courses include:
CLD 100  Introduction to Community and Leadership Development
CLD 102  Dynamics of Rural Social Life
CLD 225  Community and Communications: Exploring Their Intersection
CLD 230  Interpersonal Leadership
CLD 260  Community Portraits
CLD 401  Principles of Cooperative Extension
EQM 300  Topics in Equine Science and Management

Forages/Pasture Management
Students will obtain knowledge in agronomic practices. This area will prepare students for careers related to general horse farm management or graduate school. Courses include:
PLS 366  Fundamentals of Soil Science
PLS 510  Forage Management and Utilization
PLS 404  Integrated Weed Management
PLS 468G  Soil Use and Management
PLS 470G  Soil Nutrient Management
PLS 531  Field Schools in Crop Pest Management
EQM 300  Topics in Equine Science and Management

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