University of Kentucky Equine Science and Management undergraduate degree program emphasis areas are science, 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.

**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 389** Equine Nutrition
- **ASC 410G** Equine Science
- **VS 500** Advanced Equine Reproduction
- **VS 307** Genetics of the Horse
- **ASC 311** Advanced Equine Evaluation
- **ASC 378** Animal Nutrition and Feeding
- **ASC 364** Reproductive Physiology of Farm Animals
- **ASC 325** Animal Physiology
- **ASC 362** Animal Genetics

**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 or Marketing Management
- **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
Community Leadership and 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

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

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