

# Equine Science & Management

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*Available at: Diamond, Laurel*

## COURSES

### Equine Selection, Nutrition and Management

Students will identify and apply responsible animal science principles and management practices to equine populations. Topics will include equine nutrition, selection, reproduction and facility design and management. They will apply knowledge of equine science to enhance animal growth, enrichment and training, along with providing educational and visitor engagement programs. Throughout the course, students will develop management plans that reflect the classification of animals and follow best practices for care and legal compliance.

### Animal Health

Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens and classifying types of diseases and disorders. Students will perform animal health assessments and compare to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems and research issues affecting the industry.

### Business Management for Agricultural & Environmental Systems\*

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

### Animal Science and Technology\*

Students will learn and apply responsible animal management principles and routine husbandry practices. Topics will include nutrition, feeding, and caring for animals, body/carcass composition evaluation, and applying marketing principles to the sale and distribution of animal products. Learners will investigate animal genetics and how it impacts principles of animal improvement, selection and marketing. Throughout the course, learners will develop business leadership, problem-solving and communication skills in relation to the science of animals.

*\* These courses are eligible for college credit under the Career-Technical Assurance Guide (CTAG.)*

*For more information about what CTAG is: [ohiohighered.org/transfer/ct2/earning-college-credit](http://ohiohighered.org/transfer/ct2/earning-college-credit)*

*To learn what credit is currently available at Ohio colleges and universities: [transfercredit.ohio.gov/pg\\_9?9915099094718](http://transfercredit.ohio.gov/pg_9?9915099094718)*

## CREDENTIALS YOU CAN EARN

- Industrial Forklift
- HOSTA Tractor Safety Course
- OSHA 10 for Agriculture
- CPR/First Aid

## INSTRUCTORS

- Diamond Oaks: Chris Deffinger – [deffingc@greatoaks.com](mailto:deffingc@greatoaks.com)
- Laurel Oaks: Desaree Runk – [runkd@greatoaks.com](mailto:runkd@greatoaks.com)