



Hutson School of Agriculture



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103 South Oakley Applied Science Building
270-809-3328

DEPARTMENTS

Agricultural Science	212	Veterinary Technology and	
Animal and Equine Science	219	Pre-Veterinary Medicine	220

PROGRAMS

UNDERGRADUATE

Associate
Agricultural Science and Technology

Baccalaureate
Agricultural Science
Animal Technology

Certificate
Unmanned Aerial Systems

Minor
Agriculture
Equine Science
Golf Course Management
Unmanned Aerial Systems

GRADUATE

Master's
Agriculture

Certificate
Veterinary Hospital Management

Hutson School of Agriculture

Broad opportunities for students to prepare for agricultural and related careers are offered by the Hutson School of Agriculture. The Hutson School of Agriculture offers three undergraduate degree programs: a Bachelor of Science in Agriculture (B.S.) and a

assist students in planning an appropriate course of study to meet individual goals and to assure a balanced program.

The Hutson School of Agriculture includes the Department of Agricultural Science, the Department of Animal and Equine Science, and the Department of Veterinary Technology and Pre-Veterinary Medicine. Agricultural facilities include the farm laboratory complexes, the

contests, clinics, and numerous agricultural activities.

MSU's Breathitt Veterinary Center (BVC), located in Hopkinsville, Kentucky, has as its primary mission the provision of diagnostic data; however, its mission also includes instruction and research. The laboratory is accredited through the American Association of Veterinary Laboratory Diagnosticians. The center's facilities and personnel provide learning experiences for students in the animal health technology program. The BVC also conducts research dealing with infectious diseases of food animals.

Unmanned Aerial Systems

The market for unmanned aerial applications is a rapidly rising commercial enterprise. The Unmanned Aerial Systems minor and certificate provide students with the knowledge to explore the vast interdisciplinary potential for aircraft/drone systems. Aerial/field mapping, agriculture applications, disaster and emergency management, environmental research, law enforcement and photogrammetry, parcel and freight delivery are just a few of the many applications in this growing technology.

CERTIFICATE:

Unmanned Aerial Systems Certificate

Systems Technology

3 hrs

MINOR:

Unmanned Aerial Systems

Total Requirements 21 hrs

Required Courses for terminal degree work at the doctoral level Faculty advisors

- UAS 110 Introduction to Aviation
- UAS 310 Introduction to Unmanned Aerial Systems Applications
- UAS 410 Unmanned Aerial Systems Sensors and Data Display
- UAS 480 Experiential Learning in Unmanned Aerial Systems Technology

9 hrs

Department of Agriculture

in Oakley Applied Science South, Howton Agriculture Engineering Building, the West Farm, the Hutson Farm, the North Farm, the Pullen Farm Complex with three greenhouses and environmental center lab, and the agriculture systems technology farm lab.

Agricultural Science and Technology

Associate of Science

MAT 140 College Algebra

Agriculture Core Courses 41 hrs

- AGR 100T Transitions
- AGR 100 Animal Science
- AGR 130 Agricultural Economics
- AGR 133 Field Applications for Agriculture
- AGR 160 Horticultural Science
- or
- AGR 240 Crop Science
- AGR 170 Introduction to Agricultural Systems Technology
- AGR 199 Contemporary Issues in Agriculture¹
- AGR 339 Computer Applications for Agriculture
- AGR 345 Soil Science

AGR 399 Professional Development Seminar I

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AGR 499 Leadership/Professional Development Seminar II

AGR elect ves (16 hrs)

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¹AGR 199 will fulfil both the agriculture core and university studies elec-

<ul style="list-style-type: none"> • ^] v Ÿ. / v (µ] Ç U D š Z } } o } P] • U v Y µ BIO 101 Biological Concepts CHE 105 Introductory Chemistry I or CHE 210 Brief Organic Chemistry MAT 140 College Algebra or MAT 220 Business Calculus or MAT 250 Calculus and Analytical Geometry I • ^ }] o v ^ o (r Á Ç v • • v Z • % } v •] o COM 260 Communication Ethics or POL 140 American National Government ECO 230 Principles of Macroeconomics • h v] Á Ç •] š Ç ^ š µ] • o Ÿ Á • ECO 231 Principles of Microeconomics FIN 230 Personal Finance 	<ul style="list-style-type: none"> AGR 539 International Trade and Agriculture AGR 533 Seminar in International Agriculture Systems Three hours of foreign language D Ç I Ÿ v P I D v P u v š u % Z •] • MGT 350 Fundamentals of Management MKT 360 Principles of Marketing FIN 330 Principles of Finance Upper-level, advisor approved electives (6 hrs)
<ul style="list-style-type: none"> P Ç] µ o š µ Ç } Ç µ Ç î ð Z Ç • AGR 100T Transitions AGR 100 Animal Science AGR 130 Agricultural Economics AGR 133 Field Applications for Agriculture AGR 160 Horticultural Science or AGR 240 Crop Science AGR 170 Introduction to Agricultural Systems Technology AGR 199 Contemporary Issues in Agriculture AGR 339 Computer Applications for Agriculture AGR 345 Soil Science AGR 399 Professional Development Seminar I or AGR 499 Leadership/Professional Development Seminar II AGR 599 Agriculture Senior Capstone 	<ul style="list-style-type: none"> Z W P Ç] µ o š µ Ç o ^] v I P Ç] µ o š µ Ç o ^ Ç • š u • d Z v } o } P Ç d Ç Bachelor of Science in Agriculture CIP 01.9999 h v] Á Ç •] š Ç ^ š µ] • Z µ] Ç v š ð i r ð i Z Ç • (See Academic Degrees and Programs.) University Studies selections must include: • ' o } o Á Ç v • • U µ o š µ Ç o] Á Ç •] š Ç v š Z d Ç] Ÿ } v • Z } • } v } (š Z (} o o } Á] v P W AGR 200 International Agricultural Experience AGR 353 World Food, Agriculture and Society SPA 106 Basic Spanish and Culture for Agriculture
<ul style="list-style-type: none"> P Ç] µ •] v • • d Ç l î ð r i ñ Z Ç • ACC 200 Principles of Accounting I AGR 328 Statistics for Food and Agriculture or STA 135 Introduction to Probability and Statistics AGR 330 Principles of Agribusiness AGR 336 Agricultural Marketing and Price Analysis AGR 337 Agricultural Sales and Merchandising AGR 433 Farm Management AGR 531 Agricultural Finance AGR 552 Agricultural Policy 	<ul style="list-style-type: none"> • ^] v Ÿ. / v (µ] Ç U D š Z } } o } P] • U v Y µ v Ÿ š Ÿ BIO 101 Biological Concepts CHE 105 Introductory Chemistry I MAT 130 Technical Math I or MAT 140 College Algebra • ^ }] o v ^ o (r Á Ç v • • v Z • % } v •] o] Ÿ i v • AGR 199 Contemporary Issues in Agriculture¹ • h v] Á Ç •] š Ç ^ š µ] • o Ÿ Á • CHE 210/215 Brief Organic Chemistry and Organic Chemistry Laboratory or EES 199 Earth Science or PHY 130 General Physics I
<ul style="list-style-type: none"> Z (µ] Ç ^ µ % } Ç • š µ Ç î ñ Z Ç • Choose one of the following support course emphases. Ç } % W Ç } µ Ÿ } v u % Z •] • AGR 547 Crop Management AGR 549 Weeds and their Control and three of the following: AGR 455, 470, 471, 542, 546, or 555. v š Ç % Ç v µ Ç • Z] % u % Z •] • AGR 334 Entrepreneurship in Agribusiness MGT 350 Fundamentals of Management MGT 358 Entrepreneurial Business Plan Development Upper-level, advisor approved electives (6 hrs) ' o } o u % Z •] • MKT 360 Principles of Marketing MKT 568 Global Marketing Management Z } • š Z Ç } (š Z (} o o } Á] v P W AGR 353 World Food, Agriculture and Society 	<ul style="list-style-type: none"> P Ç] µ o š µ Ç } Ç µ Ç î ð Z Ç • AGR 100T Transitions AGR 100 Animal Science AGR 130 Agricultural Economics AGR 133 Field Applications for Agriculture AGR 160 Horticultural Science or AGR 240 Crop Science AGR 170 Introduction to Agricultural Systems Technology AGR 199 Contemporary Issues in Agriculture¹ AGR 339 Computer Applications for Agriculture AGR 345 Soil Science AGR 399 Professional Development Seminar I } Ç AGR 499 Leadership/Professional Development Seminar II AGR 599 Agriculture Senior Capstone

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- CHE 201 General College Chemistry
- AGR 199 Contemporary Issues in Agriculture
- CHE 210/215 Brief Organic Chemistry and Organic Chemistry Laboratory
- CHE 202 General Chemistry and Qualitative Analysis
- EES 101 The Earth and the Environment
- EES 102 Earth Through Time
- EES 199 Earth Science

- AGR 100T Transitions
- AGR 100 Animal Science
- AGR 300 Principles of Animal Nutrition
- AGR 310 Applications in Animal Technology
- AGR 339 Computer Applications for Agriculture
- AGR 399 Professional Development Seminar I
- AGR 504 Diseases of Livestock
- AGR 599 Agriculture Senior Capstone
- AGR 170 Introduction to Agricultural Systems Technology
- AGR 377 Agriculture Safety
- AGR 375 e

Carman Veterinary Technology Center and the university farms. This program is not only academically challenging, but provides students the opportunity to gain valuable hands-on experience.

A portion of the veterinary technology curriculum will involve students taking courses, which have been labeled the BVC (Breathit Veterinary Center) courses that include AGR 340, AGR 400, AGR 410, AGR 420, and AGR 430. Because the Veterinary Technology/Pre-Veterinary Medicine program is an accredited program, available space is limited to ensure the quality of instruction. Registration in BVC courses is based on available openings. The veterinary * e l b e t h A Regis ing
