



Hutson School of Agriculture

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Agriculture

Tony Brannon, Dean
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

sist 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, thmplee mm mmm me h biale es,i e l

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

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 fulfill both the agriculture core and university studies elec-

BIO 101	Biological Concepts	AGRI 529 International Trade and Agriculture
CHE 105	Introductory Chemistry I	AGR 533 Seminar in International Agriculture Systems
	or	Three hours of foreign language
CHE 210	Brief Organic Chemistry	DSCI 510 Principles of Data Science
MAT 140	College Algebra	MGT 350 Fundamentals of Management
	or	MKT 360 Principles of Marketing
MAT 220	Business Calculus	FIN 330 Principles of Finance
	or	Upper-level, advisor approved electives (6 hrs)
MAT 250	Calculus and Analytical Geometry I	
• COM 260	Communication Ethics	HIST 500 History of the United States since 1865
	or	PHIL 500 Philosophy of Ethics
POL 140	American National Government	PSYC 500 Psychology of Personality
ECO 230	Principles of Macroeconomics	PSYC 510 Psychology of Development
• ECO 231	Principles of Microeconomics	PSYC 520 Psychology of Social Behavior
FIN 230	Personal Finance	PSYC 530 Psychology of Cognition

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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 I
AGR 599 Agriculture Senior Capstone

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and three of the following: AGR 455, 470, 471, 542, 546 or 555

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AGR 334 Entrepreneurship in Agribusiness
MGT 350 Fundamentals of Management
MGT 358 Entrepreneurial Business Plan Development
(Upper-level advisor approved elect yes (6 hrs)

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MKT 360 Principles of Market ng
MKT 568 Global Market ng Management
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AGR 353 World Food, Agriculture and Society

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¹Students wishing to qualify for admission to Murray State's Master of Business Administration (MBA) program should choose the following courses as part of the Unrestricted Electives requirement: ACC 201, BUS 355, CIS 443, MAT 220.

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Bachelor of Science in Agriculture CIP 01.9999

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(See Academic Degrees and Programs.

University Studies selections must include:

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AGR 200 International Agricultural Experience
AGR 353 World Food, Agriculture and Society
SPA 106 Basic Spanish and Culture for Agriculture
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BIO 101 Biological Concepts
CHE 105 Introductory Chemistry I
MAT 130 Technical Math I
or
MAT 140 College Algebra
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AGR 199 Contemporary Issues in Agriculture¹
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CHE 210/215 Brief Organic Chemistry and Organic
Chemical Technology

Chemistry Laboratory
or
EES 199 Earth Science
or
PHY 130 General Physics I

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AGR 100T Transitions
AGR 100 Animal Science
AGR 130 Agricultural Economics
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AGR 371

CHE 201 General College Chemistry
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AGR 199 Contemporary Issues in Agriculture
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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

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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
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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 (Breathitt 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 technology courses are offered through the Breathitt Veterinary Center.

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