The University of Tennessee at Martin
Bachelor of Science in Agriculture (with a major in General Agriculture)
Animal Science Concentration
Production, Business and Management Option (program 1130)

Overview
The University of Tennessee at Martin’s Department of Agriculture, Geosciences, and Natural Resources offers an exceptional hands-on learning opportunity in the area of Animal Science. The program combines basic science and technical courses related to all aspects of livestock production from conception to consumption. Students will also complete courses in the humanities and social sciences as well as business and communications. Through careful selection of elective courses, a student can focus on specific areas of animal production and management including nutrition, genetics, health and well-being, reproduction, and others.

Career Opportunities
Graduates of the production, business and management option have a wide variety of career options to choose from including farm and livestock management, agricultural extension service, livestock procurement, federal meat grading, federal and state livestock and meat inspection, and market news reporting. There are also careers in business-related areas of animal production including animal health sales, livestock feed sales, farm loan representatives, and banking. For students desiring to pursue an advanced degree, this option prepares individuals for graduate studies in animal science, agricultural economics, business administration, food science, or other related disciplines.

Facilities
UT Martin has a 700-acre teaching farm that houses beef cattle, horses, goats and sheep year-round, and swine on an as-needed basis. The primary purposes of the farm are teaching, research, and demonstration. Students have numerous opportunities to work with the animals in classes and laboratories throughout their undergraduate education. Field trips are made to nearby industries and farms to learn their operating procedures. All of these resources are used to provide experiential learning opportunities for our students.

Dr. Wes Totten, Chair
Department of Agriculture, Geosciences, and Natural Resources
257 Brehm Hall
Martin, TN 38238
Phone: 731-881-7262
Email: wtotten@utm.edu
B.S. in Agriculture – Animal Science- Production, Business, and Management Option (1130)
Course Requirements for 2018-2019

Fine Arts (3 hours) Select One
ART 110 Understanding Visual Arts ___/3
ARTH 210 The History of Art ___/3
ARTH 211 The History of Art ___/3
DANC 110 Understanding Dance ___/3
MUS 111 Masterpieces of Music ___/3
MUS 112 Music in Our Time ___/3
MUS 113 Western Masterpieces ___/3
MUS 114 Historical Survey of Jazz ___/3
MUS 115 Music for the Masses ___/3
THEA 110 Understanding Theatre ___/3
THEA 111 Understanding Theatre ___/3

Biological & Physical Systems (16 hours)
BIOL 130 Foundations of Biology: Ecology & Diversity ___/4
BIOL 140 Foundations of Biology: Cell & Molecular ___/4

Choose one sequence
CHEM 111 Intro to Chemistry I: General & Inorganic ___/4
& 112 Intro to Chemistry II: Organic & Biochem ___/4
CHEM 121 General Chemistry I ___/4
& 122 General Chemistry II ___/4

Communications (9 hours)
*Students who place in ENGL 100, will use ENGL 110 instead of ENGL 111 in the ENGL sequence
ENGL 111 English Composition (Must earn a C or better) ___/3
ENGL 112 English Composition (Must earn a C or better) ___/3
COMM 230 Public Speaking ___/3

Humanities (9 hours) Select Three
ENGL 250 British Literature ___/3
ENGL 251 British Literature ___/3
ENGL 260 American Literature ___/3
ENGL 261 American Literature ___/3
ENGL 270 World Literature ___/3
ENGL 271 World Literature ___/3
FREN 250 France Today ___/3
GERM 250 Germany Today ___/3
HIST 121 World Civilization I ___/3
HIST 122 World Civilization II ___/3
HIST 201 History of the U.S. I ___/3
HIST 202 History of the U.S. II ___/3
PHIL 110 Adventure of Ideas: Historical ___/3
PHIL 120 Adventure of Ideas: Contemporary ___/3
PHIL 130 Ethics and Race ___/3
PHIL 160 Exploring Ethics ___/3
SPAN 250 Latin America Today ___/3

Mathematics (6 hours)
MATH 210 Elementary Statistics & Probability ___/3
Select One
MATH 140 College Algebra & Elementary Function ___/3
MATH 160 Calculus for Business & Life Sciences ___/3
MATH 185 Precalculus ___/3
MATH 251 Calculus I ___/3

Social & Behavioral Sciences (6 hours) Select Two
AGRI 295 International Food and Fiber Systems ___/3
ANSC 270 Animal Welfare & Ethics ___/3
ECON 100 American Enterprise System ___/3
ECON 201 Principles of Macroeconomics ___/3
ECON 202 Principles of Microeconomics ___/3
ENGR 100 Society & Technology ___/3
GEOG 151 Intro Regional Geography: NA, Europe, Russia ___/3
GEOG 152 Intro Regional Geography: Asia, Africa, LA ___/3
GEOG 202 Introduction to Cultural Geography ___/3
HLTH 111 Principles & Concepts in Personal Health ___/3

Animal Science Core (10 hours)
ANSC 350 Animal Nutrition ___/3
ANSC 371 Anatomy & Physiology of Domestic Animals ___/4
ANSC 372 Applied Animal Reproduction ___/3

Production, Business, & Management Major Courses (61 hours)
ANSC 110 Introduction to Animal Science ___/3
ANSC 115 Principles of Microeconomics ___/3
AGRI 110 Introduction to Agricultural Business ___/3
AGRI 390 Career Planning in Agriculture ___/2
ANSC 119 Introduction to Animal Science Lab ___/1
ANSC 240 Live Animal & Carcass Selection and Evaluation ___/3
ANSC 320 Farm Animal Health ___/3
ANSC 351 Animal Nutrition Lab ___/1
ANSC 360 Animal Genetics ___/3
ANSC 374 Applied Animal Reproduction Lab ___/1

Animal Science Production Electives (6 hours) Select Two
ANSC 410 Beef Calf Production ___/3
ANSC 413 Stocker & Feedlot Cattle Production ___/3
ANSC 421 Swine Science ___/3
ANSC 471 Commercial Poultry Production ___/3
ANSC 430 Stable Management ___/3
ANSC 440 Sheep & Goat Production ___/3
WBIO 405 Principles of Aquaculture ___/3

AGNRMELECT (6 hours from any courses in Ag & NRM, Excluding ANSC Courses)

SCI, AGET, BUS Electives 10 hours (MBIO 251 or UD PLSC, SOIL, MBIO, BIOL, ZOOL, AGET, Ag Business or College of Business Excluding POSC)

ENGL or COMM ELECT (3 hours) Select One
COMM 200 Introduction to Media Writing ___/3
ENGL 305 The Art of the Essay ___/3
ENGL 310 Fiction Workshop ___/3
ENGL 315 Poetry Workshop ___/3
ENGL 325 Technical Communications ___/3
### B.S. in Agriculture
#### Animal Science – Production, Business, and Management
#### 2018-2019

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<th>Freshman Fall</th>
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