

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.

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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

IDST 201	Introduction to Women's Studies	___/3
NRM 101	Wildlife, Conservation, & Environmental Issues	___/3
NRM 250	Global Perspectives in Natural Resource	___/3
NUTR 100	Introductory Nutrition	___/3
POSC 210	American Government & Politics	___/3
POSC 220	American Politics Institutions & Policy	___/3
POSC 230	Introduction to World Politics	___/3
PSYC 101	Introduction to Psychology	___/3
SWRK 220	Understanding Human Diversity	___/3
SOC 201	General Sociology	___/3
SOC 202	Social Problems	___/3

Biological & Physical Systems (16 hours)

BIOL 130	Foundations of Biology: Ecology & Diversity	___/4
BIOL 140	Foundations of Biology: Cell & Molecular	___/4

Animal Science Core (10 hours)

ANSC 350	Animal Nutrition	___/3
ANSC 371	Anatomy & Physiology of Domestic Animals	___/4
ANSC 372	Applied Animal Reproduction	___/3

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

Production, Business, & Management Major Courses (61 hours)

ANSC 110	Introduction to Animal Science	___/3
PLSC 110	Introductory Plant & Soil Science	___/3
SOIL 210	Soil Science	___/4
AGEC 110	Introduction to Agricultural Business	___/3
AGET 110	Introduction to Agricultural Engineering	___/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

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

Animal Science Production Electives (6 hours) *Select Two*

ANSC 410	Beef Cow-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

_____/_____
_____/_____

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

_____/_____
_____/_____
_____/_____
_____/_____

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
<i>Select One</i>		
MATH 140	College Algebra & Elementary Function	___/3
MATH 160	Calculus for Business & Life Sciences	___/3
MATH 185	Precalculus	___/5
MATH 251	Calculus I	___/3

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

_____/_____
_____/_____

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

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

**B.S. in Agriculture
Animal Science – Production, Business, and Management
2018-2019**

Freshman Fall	
General Studies 101	2
ENGL 111	3
MATH 140	3
BIOL 130	4
ANSC 110	3
ANSC 119	1
Semester Total	16

Freshman Spring	
Fine Arts Elective	3
ENGL 112	3
MATH 210	3
BIOL 140	4
AGEC, AGET, or PLSC 110	3
Semester Total	16

Sophomore Fall	
CHEM 111 or 121	4
Humanities Elective	3
Social Science Elective	3
ANSC 240	3
AGEC, AGET, or PLSC 110	3
Semester Total	16

Sophomore Spring	
CHEM 112 or 122	4
Humanities Elective	3
AGEC, AGET, or PLSC 110	3
ANSC Elective	3
ANSC 360	3
Semester Total	16

Junior Fall	
SOIL 210	4
AGRI 390	2
COMM 230	3
ANSC 371	4
ANSC 320 or 350	3
Semester Total	16

Junior Spring	
ANSC 372	3
ANSC 320 or 350	3
UD Elective	3 or 4
ANSC 374	1
Writing Elective	3
Social Science Elective	3
Semester Total	16-17

Senior Fall	
UD Elective	3
ANSC Production Elective	3
AG/NRM Elective	3
ANSC 351	1
ANSC Elective	3
Semester Total	13

Senior Spring	
UD Elective	3
AG/NRM Elective	3
Humanities Elective	3
ANSC Production Elective	3
Semester Total	12