The University of Tennessee at Martin
Bachelor of Science in Agriculture (with a major in General Agriculture)
Animal Science Concentration
Veterinary Health Technology Option (program 1129)

Overview
The University of Tennessee at Martin’s Department of Agriculture, Geosciences, and Natural Resources is offering an exceptional hands-on learning opportunity in the area of Veterinary Health Technology (VHT). The university worked closely with AVMA to receive initial accreditation in 2014.

Students should take as many math and science (biology and chemistry) classes as possible in high school. These are important in preparing for a career in veterinary health technology. Some high schools offer classes called “dual credit” or “AP”. Many of these will transfer in as college credits, but course offering vary in different places. It would be best to discuss these options with high school guidance counselors.

Career Opportunities
Potential careers for veterinary health technologists include clinical practice, state and federal government, research positions, pharmaceutical sales, zoological positions, and many more. This is a growing field with many job opportunities. The VHT option opens many more doors for graduating students and employment advancement.

Facilities
UT Martin has a large 700-acre teaching farm with beef cattle, horses, goats, and swine, plus a fully functional companion animal (dog and cat) laboratory and teaching facility. 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. The university also maintains an Animal Diagnostic and Disease laboratory, which is used to perform necropsies and diagnostics for producers in West Tennessee. There are four full time Doctors of Veterinary Medicine (DVM) on staff and four full time licensed veterinary health technologists (LVHT). All of these resources are used to provide many hand-on learning opportunities for students.

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B.S. in Agriculture – Animal Science Concentration – Veterinary Health Technology Option (1129)
Course Requirements for 2019-2020 catalog

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 & Biochemistry __/4

CHEM 121 General Chemistry __/4
& 122 General Chemistry __/4

Communication (9-10 hours)
ENGL 105 English Composition __/3
or ENGL 111 English Composition __/3
ENGL 112 English Composition __/3
or ENGL 113 English for Technical Writers __/3
COMM 230 Public Speaking __/3
or COMM 229 Public Communication Online __/3
or HONR 110 Public Speaking & Rhetorical Tradition __/3

Humanities (9 hours) Select three
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: People & Culture __/3
GERM 250 Germany Today: People & Culture __/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
HONR 101 Great Works of Ancient World & Classical Antiquity __/3
HONR 102 Late Antiquity to the Middle Ages __/3
HONR 201 Late Middle Ages to Renaissance __/3
JAPN 250 Japan Today: People & Culture __/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
RLST 201 Intro to Religious Studies __/3
SPAN 250 Latin America Today: People & Culture __/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 __/5
MATH 251 Calculus I __/3

Social & Behavioral Sciences (6 hours) Select Two
AGRI 295 International Food & 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 __/3
GEOG 152 Intro: Regional Geography __/3
GEOG 202 Intro: Cultural Geography __/3
HLTH 111 Principles & Concepts in Personal Health __/3
HONR 202 Great Works IV-Enlightenment to Modernity __/3
IDST 201 Intro: 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 Political Institutions & Policy __/3
POSC 230 Intro: World Politics __/3
PSYC 101 Intro: Psychology __/3
SWRK 220 Understanding Human Diversity __/3
SOC 201 General Sociology __/3
SOC 202 Social Problems __/3

Ag Core (7 hours)
ANSC 110 Introduction to Animal Science __/3
ANSC 115 Introduction to Agricultural Business __/3
ANSC 119 Introduction to Animal Science Lab __/1

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

Veterinary Health Technology Option (40 hours)
MBIO 251 General Bacteriology __/4
VET 200 Introduction to Veterinary Technology __/2
VET 300 Vet Tech Medical Terminology __/2
VET 310 Vet Tech Advanced Lab Sciences __/3
VET 320 Vet Tech Lab Animals, Exotics, & Pocket Pets __/3
VET 330 Vet Tech Diagnostic Imaging __/3
VET 340 Vet Tech Animal Nursing __/3
VET 350 Vet Tech Parasitology __/3
VET 400 Vet Tech Pharmacology __/4
VET 410 Vet Tech Hematology & Clinical Chemistry __/3
VET 420 Vet Tech Surgery, Anesthesia, & Dentistry __/4
VET 480 Capstone in Vet Tech __/3
VET 490 Internship in Animal Technology __/3

Animal Science (14 hours)
ANSC 210 Introduction to Horse Science __/3
ANSC 230 Exotic & Companion Animal Management __/3
ANSC 231 Companion Animal Lab __/1
ANSC 260 Behavior of Farm & Companion Animals __/3
or ANSC 270 Animal Welfare & Ethics __/3
ANSC 320 Farm Animal Health __/3
ANSC 311 Horse Science Lab __/1
or ANSC 351 Animal Nutrition Lab __/1
or ANSC 374 Applied Animal Reproduction __/3

### B.S. in Agriculture
#### Animal Science – Veterinary Health Technology (1129)
#### 2019-2020

**Freshman Fall**
- General Studies 101  
  - 2
- ENGL 105 or 111  
  - 3
- MATH 140  
  - 3
- BIOL 130  
  - 4
- AGEC 110  
  - 3

**Semester Total**  
- 15

**Freshman Spring**
- ENGL 112 or 113  
  - 3
- MATH 210  
  - 3
- BIOL 140  
  - 4
- ANSC 110  
  - 3
- ANSC 119  
  - 1

**Semester Total**  
- 14

**Sophomore Fall**
- COMM 230  
  - 3
- CHEM 121  
  - 4
- Humanities Elective  
  - 3
- VET 200 or VET 300  
  - 2
- Social Science Elective  
  - 3

**Semester Total**  
- 15

**Sophomore Spring**
- CHEM 122  
  - 4
- ANSC 260 or 270  
  - 3
- Social Science Elective  
  - 3
- Fine Arts Elective  
  - 3
- VET 200 or VET 300  
  - 2

**Semester Total**  
- 15

**Junior Fall**
- Humanities Elective  
  - 3
- ANSC 320  
  - 3
- ANSC 371 or ZOOL 251  
  - 4
- ANSC 350 or ANSC 372  
  - 3
- MBIO 251  
  - 4

**Semester Total**  
- 17

**Junior Spring**
- ANSC 210/211  
  - 4
- VET 350  
  - 3
- VET 310  
  - 3
- ANSC 230/231  
  - 4
- ANSC 350 or ANSC 372  
  - 3

**Semester Total**  
- 17

**Senior Fall**
- VET 330  
  - 3
- VET 340  
  - 3
- VET 400  
  - 4
- VET 320  
  - 3

**Semester Total**  
- 13

**Senior Spring**
- VET 410  
  - 3
- VET 420  
  - 4
- VET 480  
  - 3
- Humanities Elective  
  - 3

**Semester Total**  
- 13

**Summer 4- VET 490-3**