

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 2020-2021 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)

Choose one Biology sequence

BIOL 110	Intro Cell Biology and Genetics	___/4
& BIOL 120	Intro Plant & Animal Biology	___/4
BIOL 130	Foundations of Biology: Ecology & Diversity	___/4
& BIOL 140	Foundations of Biology: Cell & Molecular	___/4

Choose one Chemistry sequence

CHEM 111	Intro to Chemistry I: General & Inorganic	___/4
& CHEM 112	Intro to Chemistry II: Organic & Biochemistry	___/4
CHEM 121	General Chemistry	___/4
& CHEM 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 HNRS 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 I-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 (3 hours)

MATH 110	Essentials of Algebra I	___/4
MATH 130	Nature of Mathematics	___/3
MATH 140	College Algebra & Elementary Function	___/3
MATH 160	Calculus for Business & Life Sciences	___/3
MATH 185	Precalculus	___/5
MATH 210	Elementary Statistics & Probability	___/3

MATH 251	Calculus I	___/3
HNRS 120	Development of Mathematical Enquiry	___/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
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
SUST 200	Intro to Sustainability	___/3
WMST 201	Intro to Women's & Gender Studies	___/3

Animal Science Concentration Core (27 hours):

ANSC 110	Introduction to Animal Science	___/3
ANSC 119	Intro Animal Science Lab	___/1
ANSC 320	Farm Animal Health	___/3
ANSC 350	Animal Nutrition	___/3
ANSC 371	Anatomy & Physiology Domestic Animals	___/4
ANSC 372	Applied Animal Reproduction	___/3
AGEC 110	Intro Agricultural Business	___/3
MBIO 251	General Bacteriology	___/4
MATH 210	Elementary Statistics & Probability	___/3

(if MATH 210 was taken as part of the Gen Ed requirement, an additional MATH from 110, 140, 160, 185, or 251 must be taken for the concentration requirement)

Veterinary Health Technology Option (47 hours)

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
ANSC 210	Introduction to Horse Science	___/3
ANSC 230	Exotic & Companion Animal Management	___/3
ANSC 260	Behavior of Farm & Companion Animals	___/3
or ANSC 270	Animal Welfare & Ethics	___/3

Choose two:

ANSC 211	Horse Science Lab	___/1
ANSC 231	Companion Animal Lab	___/1
ANSC 351	Animal Nutrition Lab	___/1
ANSC 374	Applied Animal Reproduction Lab	___/1

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2020-2021**

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 ZOO 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