

# Plan of Study Checklist

## Animal Science (Veterinary Medicine Option)

### 2001-2003

132 total semester hours required to earn a Bachelor of Science degree.

Course Prefix	Course Name	Credit Hours	✓	Grade
ENGL 1010	Expository Writing	3		
ENGL 1020	Research and Argumentative Writing	3		
ENGL 2030	The Experience of Literature	3		
<u>Choose <b>ONE</b> of the following:</u>				
ENGL 2130	Themes in American Literature	3		
or				
ENGL 2230	Themes in British Literature	3		
or				
ENGL 2330	Special Topics in Literature and Culture	3		
COMM 2200	Fundamentals of Communication	3		
<u>Choose <b>ONE</b> of the following:</u>				
ART 1030	Orientation to Art	3		
or				
THEA 1030	Theatre Appreciation	3		
or				
MUS 1030	Introduction to Music	3		
or				
HIST 1010	Survey of Western Civilization I	3		
or				
HIST 1020	Survey of Western Civilization II	3		
or				
HIST 1110	Survey of World Civilization I	3		
or				
HIST 1120	Survey of World Civilization II	3		
or				
PHIL 1030	Introduction to Philosophy	3		
<u>Choose <b>TWO</b> of the following:</u>				
HIST 2010	Survey of United States History I	3		
or				
HIST 2020	Survey of United States History II	3		
or				
HIST 2030	Tennessee	3		
<u>Choose <b>ONE</b> of the following:</u>				
MATH 1710	College Algebra	3		
or				
MATH 1720	Plane Trigonometry	3		
or				
MATH 1730	Algebra and Trigonometry	3		

Course Prefix	Course Name	Credit Hours	✓	Grade
PHYS 2010	Non-Calculus-Based Physics I	0		
PHYS 2011	Physics Problems Laboratory I	4		
PHYS 2020	Non-Calculus-Based Physics II	0		
PHYS 2021	Physics Problems Laboratory II	4		
Choose <b>ONE</b> of the following:				
CSCI 1150	Computer Orientation	3		
or				
INFS 2200	Introduction to Microcomputing	3		
BIOL 1110	General Biology	4		
BIOL 1120	General Biology	4		
BIOL 2120	Genetics	4		
BIOL 4210	Cell and Molecular Biology	4		
CHEM 1110	General Chemistry	4		
CHEM 1120	General Chemistry	4		
CHEM 3010	Organic Chemistry	4		
CHEM 3020	Organic Chemistry	4		
CHEM 3530	Principles of Biochemistry	4		
Choose <b>ONE</b> of the following:				
AAS 2100	Introduction to African-American Studies	3		
or				
ECON 2410	Principles of Macroeconomics	3		
or				
PSY 1410	General Psychology	3		
or				
SOC 1010	Introductory Sociology	3		
or				
GEOG 2000	Introduction to Regional Geography	3		
or				
BMOM 2000	Business and Society	3		
or				
WMST 2100	Introductory Women's Studies	3		
or				
PS 1010	Foundations of Government	3		
or				
PS 2010	American Government and Politics	3		
or				
ANTH 1010	Introduction to Anthropology	3		
or				
ANTH 2010	Cultural Anthropology	3		

Course Prefix	Course Name	Credit Hours	✓	Grade
Choose <b>ONE</b> of the following <b>options</b> :				
PHED 2100	Effective Living	2		
and PHED (2)	Two PHED <u>physical activity</u> courses	2		
or PHED (4)	Four PHED <u>physical activity</u> courses	4		
<b>GENERAL STUDIES (VET) HOURS</b>		<b>81</b>		
<b>MAJOR REQUIREMENTS</b>				
ABAS 1000	Orientation to Agriculture	1		
ABAS 1410	Elements of Animal Science	3		
ABAS 1610	Elements of Plant Science	3		
ABAS ____	Agribusiness Elective	3		
ABAS 2210	Introduction to Agricultural Engineering	3		
ABAS 3010	Agri-Media Skills	3		
ABAS 3130	Principles of Agricultural Economics	3		
ABAS 4100	Microcomputer Applications in Agriculture	3		
Choose <b>ONE</b> of the following:				
ABAS 3340	Soils	3		
or ABAS 4310	Forage Crops	3		
ABAS 3440	Livestock Management	3		
ABAS 3420	Genetics of Domestic Livestock	3		
ABAS 4410	Animal Nutrition and Feeding	3		
ABAS 4510	Domestic Animal Reproductive Physiology	3		
Choose <b>TWO</b> of the following:				
ABAS 3430	Light Horse Production	3		
or ABAS 3470	Beef Cattle Production	3		
or ABAS 3480	Swine Production	3		
or ABAS 3490	Poultry Production	3		
or ABAS 3500	Sheep Production	3		
or ABAS 3540	Dairy Production	3		
or ABAS 4090	Horse Breeding Farm Management	3		
or ABAS 4470	Advanced Beef Cattle Production	3		
or ABAS 4520	Companion Animals	3		
or ABAS 4860	Meat Science and Technology	3		
<b>MAJOR HOURS</b>		<b>43</b>		

Course Prefix	Course Name	Credit Hours	✓	Grade
<b>MINOR REQUIREMENTS</b>				
<b>MINOR HOURS</b>				
<b>ELECTIVE COURSES</b>				

**IMPORTANT NOTES:**

- ⌘ 48 hours of the required 132 hours must be in **junior or senior level** courses, 30 hours must be completed at MTSU.
- ⌘ 12 of the last 18 hours must be completed at MTSU.
- ⌘ 60 hours of the required 132 hours must be earned at a four-year college or university.

**RECOMMENDED ADDITIONAL COURSES FOR VETERINARY MEDICINE OPTION:**

- ABAS 3450      Anatomy and Physiology of Domestic Animals
- BIOL 2230      Microbiology
- BIOL 3020      Comparative Anatomy of the Vertebrates
- MATH 1530      Applied Statistics
- HUM 2130      Medical Vocabulary
- MGMT 3610      Principles of Management
- MGMT 3810      Human Resources Management