

**AGRICULTURAL SCIENCES, CONCENTRATION- FOOD AND ANIMAL SCIENCES- PRE-VETERINARY
MEDICINE EMPHASIS ACADEMIC MAP: DEGREE BS (120 CREDIT HOURS)**

This degree map is a semester-by-semester sample course schedule for students majoring in **Agricultural Sciences with a concentration in Food and Animal Sciences, Pre-Veterinary Medicine emphasis**. The milestones listed to the right of each semester are designed to keep a student on track to graduate in four years. The schedule serves as a general guideline to help build a full schedule each semester. Milestones are courses and special requirements necessary for timely progress to complete a major. When one or more milestones are missed, a student should consult with an academic advisor to determine if another degree path would be more suitable.

Students majoring in Animal Science Pre-Veterinary Medicine emphasis must gain upper division status before enrolling in upper division courses (3000 & 4000 levels). Students may be admitted to the upper division after completing at least 60 lower division credits (as set out in the curriculum) with a minimum cumulative grade point average (GPA) of 2.0. It is the responsibility of the student to submit a formal petition to the department. Such petition will be reviewed by a departmental committee to ensure that all criteria have been met.

The concentration in Animal Science Pre-Veterinary Medicine emphasis prepares students to meet requirements for admission into schools or colleges of veterinary medicines. In order to be competitive for admission into a Veterinary College of their choice upon graduation from Tennessee State University, students enrolled in Pre-veterinary Medicine emphasis are expected to maintain excellent academic performance throughout the four years of the program duration and graduate with GPA higher than 3.0. Tennessee State University and The College of Agriculture Human and Natural Sciences have academic support/tutorial services for students having difficulty in their courses and needing assistance.

Tennessee State University recognizes that students have diverse learning, life, and professional experiences. The University provides opportunities for students to earn college credit toward the degree through a number of assessment options that evaluate their learning experiences. These paths are grouped under the category "Prior Learning Assessment" (PLA). Various means of earning PLA credit at TSU are the following: Advanced Placement Program, American Council of Education (ACE) Military Credit, College Level Exam Program (CLEP), DSST Credit by Examination Program (includes DANTES Examination), Institutional Course Challenge Exams (Departmental Exams), International Baccalaureate Credit, Other Military Service, Portfolio Assessment. To learn more about PLA contact your academic advisor or the Office of Student Support Services for Adult and Distance Learners at (615) 963-7001 or adultstudentsupport@tnstate.edu.

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Department Web Address: <http://www.tnstate.edu/agriculturalprograms/degrees/animalscience.aspx>

Fall Schedule		Milestones
Semester 1	Hrs.	Semester 1
AGSC 1410	3	Minimum Grade of "C" required before taking upper-level Animal Science courses.
AGSC 2010	3	Minimum Grade of "C" required
CHEM 1110/1111	4	
ENG 1010	3	Must be taken before ENGL 1020, and HIST 2010, HIST 2020, HIST 2030, HIST 2060, HIST 2070, or HIST 2700; Minimum Grade "C" required
MATH 1720	3	Must be taken before PHYS 2010/2011
UNIV 1000*	1	
Total Hours	17	

*An Orientation course taken at another University does **NOT** meet this requirement. Students with less than 60 credit hours must take UNIV 1000 at TSU.

Spring Schedule		Milestones
Semester 2	Hrs.	Semester 2
AGSC 1200	3	Minimum grade of "C" required
BIOL 1110/1111	4	Must be taken before BIOL 1120/1121
CHEM1120/1121	4	Prerequisites: CHEM 1110, 1111.
ENG 1020	3	Must be taken before taking HIST 2010, HIST 2020, HIST 2030, HIST 2060, HIST 2070, or HIST 2700; Minimum Grade "C" required
HUMANITIES ELECTIVE*	3	General education requirement
Total Hours	17	

*Students must take a 3 credit hour course from the following list of approved general education Humanities courses: AREN 2310, ART, 1010, HIST 1000, THTR 1020, MUSC 1010, PHIL 1030, or RELS 2010.

Fall Schedule		Milestones
Semester 3	Hrs.	Semester 3
BIOL 1120/1121	4	
COMM 2200	3	General education requirement
HIST 2010*	3	General education requirement
HUMANITIES ELECTIVE**	3	General education requirement
SOCIAL BEHAVIORAL ELECTIVE***	3	General education requirement
Total Hours	16	Students must meet with an academic advisor to make a petition to the Upper Division.

*The Department recommends HIST 2010; however, HIST 2030, HIST 2060, HIST 2070 or HIST 2700 satisfy this requirement.

**Students must take a 3 credit hour course from the following list of approved general education Humanities courses:

AREN 2310, ART, 1010, HIST 1000, THTR 1020, MUSC 1010, PHIL 1030, or RELS 2010.

***The following courses can meet the Social Behavioral Elective AFAS 2010, ANTH 2300, ECON, 2010, GEOG 1010, HPSS 1510,

POLI 1010 PSYC 2010, WMST 2000, and URBS 2010.

Spring Schedule		Milestones
Semester 4	Hrs.	Semester 4
AGSC 2200	3	Minimum Grade of "C" required
CHEM 2010/2021	4	Prerequisites: CHEM 1120, 1121
ENGL LIT*	3	General education requirement
HIST 2020**	3	General education requirement
PHYS 2010/2011	4	General education requirement
Total Hours	17	

*Courses within the range of 2110 - ENGL 2220 will meet this requirement.

**The Department recommends HIST 2020; however, HIST 2030, HIST 2060, HIST 2070 or HIST 2700 satisfy this requirement.

Students must remember **NOT** to duplicate course option from a previous semester.

Fall Schedule		Milestones
Semester 5	Hrs.	Semester 5
AGSC 3120	3	Minimum Grade of "C" required
AGSC 3410	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
AGSC 3500	3	Minimum Grade of "C" required
CHEM 2020/2021	4	Prerequisites: CHEM 2010, 2011
Total Hours	13	

Spring Schedule		Milestones
Semester 6	Hrs.	Semester 6
		Students must meet with academic advisor to discuss research topic for the Senior Project.
AGSC 3400	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
BIOL 2110/2111 or BIOL 2400/2401	4	Prerequisites for 2110: BIOL 1110, 1111, 1120, 1121. Choose one based on the Vet. College requirement you are planning to apply.
CHEM 3410/3411	4	Prerequisites: CHEM 2010, 2011
PHYS 2020/2021	4	Prerequisite: grade of C or better in PHYS 2010
Total Hours	15	

Fall Schedule		Milestones
Semester 7	Hrs.	Semester 7
		Review Senior Standing with Academic Advisor
AGSC 3460	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
AGSC 4430	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
AGSC 4500	3	Minimum Grade of "C" required
SOCIAL BEHAVIORAL ELECTIVE*	3	General education requirement
Total Hours	12	

*The following courses can meet the Social Behavioral Elective AFAS 2010, ANTH 2300, ECON, 2010, GEOG 1010, HPSS 1510, POLI 1010 PSYC 2010, WMST 2000, and URBS 2010.

Spring Schedule		Milestones
Semester 8	Hrs.	Semester 8
		Take Senior Exit Exam and Apply for Graduation
AGSC 3430	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
AGSC 4440	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
AGSC 4450	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
AGSC 4710	1	Minimum Grade of "C" required
AGSC Animal Elective*	3	Prerequisite: AGSC 1410. Minimum Grade of "C" required
Total Hours	13	

*Animal Science Electives: AGSC 3450, AGSC 3470, AGSC 3480, or AGSC 3601.

Employment Information:

The primary goal of the Pre-veterinary Emphasis program of study at Tennessee State University is to prepare students for admission into Veterinary Colleges for graduate program in veterinary medicine. Upon successful completion on of the Pre-veterinary medicine program at TSU, aspiring students will be qualified to apply to any Veterinary college in the United States and abroad to continue graduate study to earn the Doctor of Veterinary Medicine (DVM) degree and become veterinarian. Other students, who may not apply for admission for veterinary college, are also qualified for a wide variety of challenging careers related to animal agriculture and beyond. Their training prepares them to work with food animals, companion animals, laboratory animals, wildlife, as well as in biomedical settings. Most jobs are not on the farm. Rewarding career opportunities are available in research, education, government service, business, and industry. Students can also further their education by enrolling in graduate school.

Representative Job Titles Related to this Major:

Scientist/Researcher (graduate degree required), Animal Pharmaceutical Sales, Feed Sales, Livestock Equipment Sales, Livestock Animal Procurement/Buyer, Field Representative, Animal/Product Inspector, Research and Lab Technician, Market Forecaster/Reporter, Meat Grader, Teacher/Instructor/Professor, Livestock Production Manager, Game/Exotic Animal Keeper, Extension Specialist, Livestock Marketing Specialist, Livestock Insurance Representative, Loan Officer, Advisor/Consultant, Food/Meat Product Development, Lab/Product Quality Assurance, Animal Trainer/Handler, Public Relations, Veterinarian (professional degree required)

Representative Employers:

Universities, Federal Agencies (e.g., USDA), State Government, Livestock Service Organizations, Research Institutes, Feed Industry, Pharmaceutical Industry, Zoos and Wildlife Conservation Groups, Biomedical Clinics, Public Service Organizations (NGOs), Financial Institutions, Meat Industry, Public Schools, Livestock Operations, Veterinary Clinics

International study is available for all TSU students and may include opportunities for internships or taking course work towards various minors. International study may have an impact on the academic map; therefore, it is important to consult with the academic advisor for this major before participating in an international Program opportunity. Students interested in study abroad opportunities should contact the Office of International Programs and consult with their academic advisor.

Launch My Career Tennessee

To better assist you in making decisions about the career for which you are preparing, a link to the website, Launch My Career Tennessee has been provided for you to explore. The tools on the site will give you a wealth of information concerning your degree choice and possible career pathways. For example, the site will allow you to determine the return on the investment you are making in your education by estimating expected earnings over the course of your career. Begin charting your course by clicking on the link below.

<http://launchmycareertn.org/>

This map is not intended to be a contract; either expressed or implied, between the University and the students, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. TSU specifically reserves the right to change, delete or add to any MAP at any time within the student's period of study at the University.