

**COLLEGE OF BASIC AND APPLIED SCIENCES  
UPPER DIVISION FORM 2019-2020 CATALOG**

Student name: \_\_\_\_\_ M #: \_\_\_\_\_  
 Major: ANIMAL SCIENCE Minor: \_\_\_\_\_  
 Concentration: XXXXXXXXXXXXXXXXXX E-mail: \_\_\_\_\_

**Instructions: For students graduating Summer 2019 or later, one (1) copy signed by major and minor advisors should be filed in DSB 120 two semesters before anticipated graduation. The Intent to Graduate form must also be filed in DSB 120 at the time of Upper Division Form submission.**

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020			Preq: ENGL 1020 with C- or better	3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, or HIST 2030					3
					3
HUMANITIES/FINE ARTS (9 hours) Choose one: ENGL 2020, 2030, or HUM 2610 Choose two different subjects: ANTH 2210; ART 1030 or 1920; DANC 1000; HIST 1010, 1020, 1110, or 1120; MUS 1030; PHIL 1030; THEA 1030					3
					3
					3
MATHEMATICS (3 hours) Choose one: MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910				<b>** MATH 1710 RECOMMENDED **</b>	3
NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 2010/2011, PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131	CHEM 1010/1011 or 1110/1111			CHEM 1010/1011 or CHEM 1110/1111 required for major <b>** PRE-VET STUDENTS TAKE CHEM 1110/1111 **</b>	4
	BIOL 1110/1111			BIOL 1110/1111 required for major; Pre-req MATH 1710 with C- or better or MATH ACT of 19 or higher	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, JOUR/EMC/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100					3
					3
<b>Hours Required</b>					<b>41</b>

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Orientation in Agriculture	AGRI 1000				1
Introduction to Animal Science	ANSC 1410			ANSC 1401 is also acceptable	3
Introduction to Animal Science Lab	ANSC 1411				1
Elements of Plant Science	PLSO 1610				3
Principles of Agricultural Economics	AGBS 3130				3
Fundamentals of Soil Science <u>OR</u> Forage Crops	PLSO 3340 or 4310				3
Animal Breeding & Genetics	ANSC 3420			Preq: ANSC 1410; BIOL 1110/1120; Jr. standing	3
Livestock Management	ANSC 3440			Preq: ANSC 1410	3
Animal Feeds & Feeding	ANSC 3550			Preq: ANSC 1410; Jr. standing	3
Animal Nutrition	ANSC 4410			Preq: ANSC 1410; CHEM 1020/21 or 1120/21	3
Domestic Animal Reproductive Physiology	ANSC 4510			Preq: ANSC 1410; BIOL 1110/1120; Jr. standing	3
ANSC Elective (3000/4000 level)					3
ANSC Elective (3000/4000 level)					3
ANSC Elective (3000/4000 level)					3
ANSC Elective (3000/4000 level)					3
AGBS or PLSO Elective					3
<b>Hours Required</b>					<b>44</b>

Supporting Courses					
Science and Mathematics Cognate	Course	Semester	Grade	Notes	Credit Hours
CHEM 1010/1011 or CHEM 1110/1111 ** PRE-VET STUDENTS TAKE CHEM 11010/1111**	CHEM			Credits count in general education	0
CHEM 1020/1021 or CHEM 1120/1121 ** PRE-VET STUDENTS TAKE CHEM 1120/1121**	CHEM			** PRE -VET STUDENTS TAKE CHEM 1120/1121 – requires C- or better in CHEM 1110/1111 **	4
CHEM 2030/2031 or CHEM 3010/3011 ** PRE-VET STUDENTS TAKE CHEM 3010/3011**	CHEM			Preq: CHEM 1010/1020 or CHEM 1110/1120	4
BIOL 1110/1111	BIOL 1110/1111			Credits count in general education	0
BIOL 1120/1121	BIOL 1120/1121			Preq: BIOL 1110/1111	4
BIOL 2230/2231	BIOL 2230/2231			Preq: BIOL 1110/111 & 1120/1121	4
6 hours of MATH: Choose one course from General Education MATH <u>and</u> choose one course from MATH 1530, 1710, 1720, 1730, 1910, or AGRI 2210				Course from general education	0
					3-4
<b>Hours Required</b>					<b>19-20</b>

Note: A minimum of 9 (or 5) additional credit hours must be earned at the 3000/4000 level. At least 120 credits must be earned for graduation.					
Elective Courses	Course	Semester	Grade	Notes	Credit Hours
Remaining credit hours needed to meet the minimum 120 hour requirement>					15-16

Optional Minor					
Minor Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>					
Signed:					
	Minor Advisor				Date

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Learning Support courses count toward the 120-hour requirement and the overall GPA.

Signed:				
	Major Advisor			
	Date			