

# BACHELOR OF SCIENCE, MAJOR IN ANIMAL SCIENCE, PRE-VETERINARY MEDICINE

Code	Title	Hours
<b>Bachelor of Science, Major in Animal Science, Pre-Veterinary Medicine</b>		
<b>Core Curriculum</b>		
Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences)		3
Component Area IX (Component Area Option)		4
<b>Degree Specific Requirements</b>		
COMS 1361 or COMS 2382	Public Speaking <sup>1</sup> Comm. for Bus. & Professions	3
ENGL 3330	Intro To Technical Writing	3
MATH 1316	Plane Trigonometry <sup>2</sup>	3
PSYC 1301	Introduction To Psychology <sup>3,4</sup>	3
STAT 3379	Statistical Methods In Practice	3
UNIV 1301	Intro To Collegiate Studies	3
<b>Major Core</b>		
AGRI 4120	Professional Career Skills	1
Select one from the following:		3
AGRI 4350	Agricultural Biosecurity	
ANSC 2330	Companion Animal Science (Students who choose this course must take an additional 2 hours of advanced coursework.)	
ANSC 4398	Animal Diseases & Public Health	
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
ANSC 3363	Anatomy & Physiology of the Domestic Animal	3
ANSC 3373	Animal Nutrition	3
ANSC 3376	Meat Science	3
ANSC 4389	Animal Reproduction	3
ANSC 4394	Animal Feeds And Feeding	3
ANSC 4395	Animal Breeding & Genetics	3
PLSC 4370 or PLSC 4383	Forage Crops & Pasture Mgmt Range Management	3
<b>Minor</b>		
BIOL 1411	General Botany <sup>5</sup>	4
BIOL 1413	General Zoology <sup>5</sup>	4
BIOL 2440	Introductory Cell Biology	4
BIOL 3450	Introductory Genetics	4
BIOL 3470	General Microbiology	4
CHEM 1411	General Chemistry I <sup>5</sup>	4
CHEM 1412	General Chemistry II <sup>5</sup>	4
CHEM 2323 & CHEM 2123	Organic Chemistry I: Lecture and Organic Chemistry I Lab	4
CHEM 2325 & CHEM 2125	Organic Chemistry II: Lecture and Organic Chemistry II: Lab	4

CHEM 3438	Biochemistry I	4
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	4
Total Hours		120

- <sup>1</sup> COMS 1361 or COMS 2382 satisfies the requirement for Component Area IX and degree specific requirement.
- <sup>2</sup> MATH 1316 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific Requirement.
- <sup>3</sup> PSYC 1301 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences) and the Degree Specific Requirement.
- <sup>4</sup> Satisfies prerequisite requirements for Veterinary Medicine.
- <sup>5</sup> BIOL 1411, BIOL 1413, CHEM 1411, and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the minor requirement.

**First Year**

Fall	Hours Spring	Hours
ANSC 1319 & ANSC 1119	4 Component Area IV	3
BIOL 1411 <sup>1</sup>	4 BIOL 1413	4
CHEM 1411 <sup>1</sup>	4 ENGL 1301 <sup>3</sup>	3
MATH 1316 <sup>2</sup>	3 CHEM 1412	4
	UNIV 1301	3
	15	17

**Second Year**

Fall	Hours Spring	Hours
ENGL 1302 <sup>3</sup>	3 ANSC 3373	3
HIST 1301 <sup>4</sup>	3 CHEM 2325 & CHEM 2125	4
ANSC 3363	3 COMS 1361 or 2382 <sup>4</sup>	3
CHEM 2323 & CHEM 2123	4 HIST 1302 <sup>5</sup>	3
BIOL 2440	4 PSYC 1301 <sup>6</sup>	3
	17	16

**Third Year**

Fall	Hours Spring	Hours
ANSC 3376	3 ANSC 4389	3
BIOL 3450	4 BIOL 3470	4
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
POLS 2305 <sup>7</sup>	3 POLS 2306 <sup>7</sup>	3
	14	14

**Fourth Year**

Fall	Hours Spring	Hours
Component Area IX	1 ANSC 4395	3
Component Area V	3 ANSC 2330, 4398, or AGRI 4350	3
AGRI 4120	1 CHEM 3438	4
ANSC 4394	3 PLSC 4370 or 4383	3
ENGL 3330	3	
STAT 3379	3	
	14	13

Total Hours: 120

<sup>1</sup> Satisfies Core Curricular requirement for Component Area III (Life and Physical Science).

- 2 Satisfies Core Curricular requirement for Component Area II (Mathematics).
- 3 Satisfies Core Curricular requirement for Component Area I (Communications).
- 4 Satisfies Core Curricular requirement for Component Area VI (U.S. History).
- 5 Satisfies Core Curricular requirement for Component Area IX (Component Area Option).
- 6 Satisfies Core Curricular requirement for Component Area VIII (Social and Behavioral Sciences).
- 7 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).