

Student ID:\_\_\_\_\_

Student Name:\_\_\_\_\_

Adviser Name:\_\_\_\_\_

Catalog: 2020-2021 Undergraduate Catalog  
Program: Agriculture, Animal & Pre-Veterinary Science Concentration, Pre-Veterinary Science Option, B.S.AG.  
Minimum Credits Required:\_\_\_\_\_

Agriculture, Animal & Pre-Veterinary Science Concentration, Pre-Veterinary Science Option, B.S.AG.

Curriculum

Freshman Year

First Semester

Course Name	Credit	Term Taken	Grade	Gen Ed
BIOL 1123 - General Biology II Prerequisite: BIOL 1113 is highly recommended.	Credit: 4.			
ENGL 1010 - English Composition I	Credit: 3.			
CHEM 1110 - General Chemistry I	Credit: 4.			
ANS 1200 - Introductory Animal Science	Credit: 3.			
ANS 1210 - Introductory Animal Science Laboratory Corequisite: ANS 1200 unless credit for ANS 1200 has previously been earned.	Credit: 1.			
AGHE 1020 - Connections in Agriculture and Human Ecology Prerequisite: Freshman classification.	Credit: 1.			

Total: 16

Second Semester

Course Name	Credit	Term Taken	Grade	Gen Ed
CHEM 1120 - General Chemistry II Prerequisite: CHEM 1110 with a grade of C or better.	Credit: 4.			
ENGL 1020 - English Composition II Prerequisite: ENGL 1010.	Credit: 3.			
AGRN 1100 - Plant Science	Credit: 3.			
AGRN 1110 - Plant Science Laboratory Corequisite: AGRN 1100 unless credit for AGRN 1100 has previously been earned.	Credit: 1.			
ANS 2020 - Livestock Management Prerequisite: ANS 1200 and ANS 1210.	Credit: 3.			

Select one:

Course Name	Credit	Term Taken	Grade	Gen Ed
MATH 1130 - College Algebra	Credit: 3.			
MATH 1530 - Introductory Statistics	Credit: 3.			
MATH 1630 - Finite Mathematics	Credit: 3.			
MATH 1830 - Applied Calculus Prerequisite: ACT Math score of 25 or above and three years of high school mathematics, including algebra and geometry; or, special permission of the Mathematics Department; or, C or better in MATH 1130 or MATH 1710 or equivalent.	Credit: 3.			

**Total: 17**

**Sophomore Year**

**First Semester**

Course Name	Credit	Term Taken	Grade	Gen Ed
AGBE 2100 - Economics of Agriculture	Credit: 3.			
BIOL 2310 - General Botany Prerequisite: It is highly recommended that students wait until their Sophomore year to take this course.	Credit: 4.			
CHEM 3010 - Organic Chemistry I Prerequisite: CHEM 1120 with a grade of C or better.	Credit: 4.			
AGET 2110 - Agricultural Engineering Technology and Corequisite: AGET 2115.	Credit: 2.			
AGET 2115 - Agricultural Engineering Technology Laboratory Corequisite: AGET 2110.	Credit: 1.			
or				
AGET 3110 - Natural Resource Systems and Corequisite: AGET 3115.	Credit: 2.			
AGET 3115 - Natural Resource Systems Laboratory Corequisite: AGET 3110.	Credit: 1.			

**Total: 14**

**Second Semester**

Course Name	Credit	Term Taken	Grade	Gen Ed
COMM 2025 - Fundamentals of Communication or	Credit: 3.			
PC 2500 - Communicating in the Professions Prerequisite: ENGL 1020 or concurrent enrollment in ENGL 1020.	Credit: 3.			
ENGL 2130 - Topics in American Literature or Prerequisite: ENGL 1020.	Credit: 3.			
ENGL 2235 - Topics in British Literature or Prerequisite: ENGL 1020.	Credit: 3.			
ENGL 2330 - Topics in World Literature Prerequisite: ENGL 1020.	Credit: 3.			
CHEM 3020 - Organic Chemistry II Prerequisite: CHEM 3010 with a grade of C or better.	Credit: 4.			

**Select one:**

Course Name	Credit	Term Taken	Grade	Gen Ed
MATH 1130 - College Algebra	Credit: 3.			
MATH 1530 - Introductory Statistics	Credit: 3.			
MATH 1630 - Finite Mathematics	Credit: 3.			
MATH 1830 - Applied Calculus	Credit: 3.			

Prerequisite: ACT Math score of 25 or above and three years of high school mathematics, including algebra and geometry; or, special permission of the Mathematics Department; or, C or better in MATH 1130 or MATH 1710 or equivalent.				
<b>Total: 13</b>				
<b>Junior Year</b>				
<b>First Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
AGRN 3000 - Soils Prerequisite: CHEM 1020 or CHEM 1120 or consent of instructor.	Credit: 4.			
ANS 3010 - Animal Nutrition Prerequisite: ANS 1200, ANS 1210, and CHEM 1020 or CHEM 1120.	Credit: 3.			
BIOL 3140 - Cellular Biology Prerequisite: BIOL 1123.	Credit: 4.			
PHYS 2010 - Algebra-based Physics I Prerequisite: Background knowledge of high school Algebra and Geometry.	Credit: 4.			
ANS 3140 - Reproduction in Farm Animals	Credit: 3.			
<b>Total: 18</b>				
<b>Second Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
ANS 3130 - Animal Breeding or	Credit: 3.			
BIOL 3810 - General Genetics Prerequisite: BIOL 1113.	Credit: 4.			
ANS 3150 - Common Diseases and Parasites of Domestic Animals	Credit: 3.			
• Humanities/Fine Arts Elective Credit: 3. <sup>2</sup>				
PHYS 2020 - Algebra-based Physics II Prerequisite: PHYS 2010.	Credit: 4.			
• Social/Behavioral Science Elective Credit: 3.				
<b>Total: 16</b>				
<b>Senior Year</b>				
<b>First Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
AGHE 2022 - Professionalism in Agriculture and Human Ecology	Credit: 1.			
AGHE 4500 - Senior Seminar Prerequisite: Senior standing.	Credit: 1.			
ANS 3330 - Anatomy and Physiology of Livestock Animals	Credit: 3.			
• 4000-Level ANS Production Course Credit: 3.				
CHEM 4610 (5610) - General Biochemistry I Prerequisite: CHEM 3010 and CHEM 3020, or consent of instructor.	Credit: 3.			

HIST 2010 - Early United States History	Credit: 3.			
<b>Total: 14</b>				
<b>Second Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
HIST 2020 - Modern United States History	Credit: 3.			
<ul style="list-style-type: none"> <li>Humanities/Fine Arts Elective Credit: 3.<sup>2</sup></li> <li>Social/Behavioral Science Elective Credit: 3.<sup>2</sup></li> </ul>				
CHEM 4620 (5620) - General Biochemistry II Prerequisite: CHEM 4610 (5610).	Credit: 3.			
<b>Total: 12</b>				
<b>Note:</b>				
<b>Notes:</b>				