

# Agriculture, Environmental Agriscience Concentration, B.S.AG.

## Curriculum

### Freshman Year

#### First Semester

Course Name	Credit	Term Taken	Grade	Gen Ed
CHEM 1010 - Introductory Chemistry I or	Credit: 4.			
CHEM 1110 - General Chemistry I	Credit: 4.			
ENGL 1010 - English Composition I	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.			
AGHE 1020 - Connections in Agriculture and Human Ecology Prerequisite: Freshman classification.	Credit: 1.			

#### 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.			
MATH 1910 - Calculus I Prerequisite: ACT Math score of 27 or above and four years of high school mathematics, including algebra, geometry, trigonometry, and advanced or pre-calculus mathematics; or, special permission of the Mathematics Department; or, C or better in MATH 1730; or, C or better in MATH 1720 and MATH 1710; or equivalent.	Credit: 4.			

Total: 15-16

#### Second Semester

Course Name	Credit	Term Taken	Grade	Gen Ed
CHEM 1020 - Introductory Chemistry II or Prerequisite: CHEM 1010.	Credit: 4.			
CHEM 1120 - General Chemistry II Prerequisite: CHEM 1110 with a grade of C or better.	Credit: 4.			
ENGL 1020 - English Composition II	Credit: 3.			

Prerequisite: ENGL 1010.				
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.			
DS 2810 - Computer Applications in Business	Credit: 3.			
<b>Select one:</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
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.			
MATH 1910 - Calculus I Prerequisite: ACT Math score of 27 or above and four years of high school mathematics, including algebra, geometry, trigonometry, and advanced or pre-calculus mathematics; or, special permission of the Mathematics Department; or, C or better in MATH 1730; or, C or better in MATH 1720 and MATH 1710; or equivalent.	Credit: 4.			
<b>Total: 17-18</b>				
<b>Sophomore Year</b>				
<b>First Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
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.			
GEOL 1040 - Physical Geology	Credit: 4.			
HIST 2010 - Early United States History	Credit: 3.			
AGBE 2100 - Economics of Agriculture	Credit: 3.			
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.			

<b>Total: 16</b>				
<b>Second 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.			
BIOL 2310 - General Botany Prerequisite: It is highly recommended that students wait until their Sophomore year to take this course.	Credit: 4.			
GEOL 1045 - Earth Environment, Resources and Society	Credit: 4.			
HIST 2020 - Modern United States History	Credit: 3.			
<b>Total: 15</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>
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.			
• Humanities/Fine Arts Elective Credit: 3. <sup>2</sup>				
AGRN 3230 - Environmental Soil Science Prerequisite: AGRN 3000.	Credit: 4.			
AGRN 4220 (5220) - Environmental Soil Chemistry Prerequisite: AGRN 3000 or consent of instructor.	Credit: 3.			
<b>Select one:</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
AGRN 4210 (5210) - Soil Fertility and Fertilizers Prerequisite: AGRN 3000 or consent of instructor.	Credit: 3.			
BIOL 4840 (5840) - Limnology Prerequisite: Junior Standing.	Credit: 3.			
GEOL 4150 (5150) - Geomorphology Prerequisite: GEOL 1040 and GEOL 2500 or consent of instructor.	Credit: 4.			
<b>Total: 16-17</b>				
<b>Second Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
• Social/Behavioral Science Elective Credit: 3. <sup>3</sup>				
BIOL 3130 - General Ecology or	Credit: 4.			
PHYS 2010 - Algebra-based Physics I Prerequisite: Background knowledge of high school Algebra and Geometry.	Credit: 4.			

<ul style="list-style-type: none"> <li>Upper Division Agriculture Elective Credit: 3.<sup>1</sup></li> </ul>				
<b>Select one:</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
AGRN 4210 (5210) - Soil Fertility and Fertilizers Prerequisite: AGRN 3000 or consent of instructor.	Credit: 3.			
BIOL 4840 (5840) - Limnology Prerequisite: Junior Standing.	Credit: 3.			
GEOL 4150 (5150) - Geomorphology Prerequisite: GEOL 1040 and GEOL 2500 or consent of instructor.	Credit: 4.			
<b>Total: 13-14</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>
<ul style="list-style-type: none"> <li>Social/Behavioral Science Elective Credit: 3.<sup>3</sup></li> </ul>				
AGRN 4100 (5100) - Weed Science or Prerequisite: AGRN 1100 and AGRN 1110 or consent of instructor.	Credit: 3.			
GEOL 3230 - Structural Geology and Tectonics or Prerequisite: GEOL 1040 or GEOL 3210.	Credit: 4.			
BIOL 3200 - General Microbiology Prerequisite: BIOL 1123.	Credit: 4.			
AGRN 4230 (5230) - Soil Classification Prerequisite: AGRN 3000 or consent of instructor.	Credit: 3.			
<ul style="list-style-type: none"> <li>Electives Credit: 3-6.</li> </ul>				
<b>Total: 12-14</b>				
<b>Second Semester</b>				
<b>Course Name</b>	<b>Credit</b>	<b>Term Taken</b>	<b>Grade</b>	<b>Gen Ed</b>
<ul style="list-style-type: none"> <li>Humanities/Fine Arts Elective Credit: 3.<sup>2</sup></li> </ul>				
AGHE 2022 - Professionalism in Agriculture and Human Ecology	Credit: 1.			
AGHE 4500 - Senior Seminar Prerequisite: Senior standing.	Credit: 1.			
<ul style="list-style-type: none"> <li>Upper-Division Agriculture Electives Credit: 6.<sup>1</sup></li> </ul>				
AGHE 3000 - (WSL2) Leadership and Service or	Credit: 3.			
AGHE 3200 - Study Abroad Exploration or Prerequisite: Sophomore standing and/or 30 credit hours toward degree program.	Credit: 1-6.			
AGHE 3275 - Research in Agriculture and Human Ecology Prerequisite: Sophomore standing, AGHE 2022.	Credit: 3.			
<b>Total: 14-15</b>				

<b>Note:</b>
<b>Notes:</b>