



## B.S. Agroecology 2020 - 2021 Catalog

University of Wyoming B.S. Agroecology	CR	Min Grade	Notes
<b>USP - University Studies Program Requirements</b>			
<b>USP: First Year Seminar</b>	3		FYS
<b>USP: Communications I</b>	3		C1
<b>USP: Communications II</b> (COJO 2010 Public Speaking built into major)			C2
<b>USP: Communications III</b> (AECL 4990 built into major)			C3
<b>USP: US &amp; Wyoming Constitutions</b>	3		V
<b>USP: Human Culture</b> (AGEC 1010 or 1020 built into major)	3		H H
<b>USP: Quantitative</b> (MATH 1400 College Algebra built into major)			Q
<b>USP: Physical &amp; Natural World</b> (LIFE 1010 General Biology built into major) (CHEM 1000 Introductory Chemistry built into major)			PN PN
<b>Credit hours subtotal:</b>			12
<b>Course Requirements - Agroecology Major</b>			
AECL 1000 Agroecology	4		
AECL 3030 Ecological Web: Ecology of Plant Protection	3		
AECL 4990 Agroecology Seminar	3		C3
SOIL 2010 Introduction to Soil Science	4		
SOIL 4140 Soil Microbiology	4		
COJO 2010	3		C2
<b>4 hours from combination of the following:</b>			
AECL 4920 Res Apprenticeship	4		
AECL 4930 Agricultural Economics Internship			
AECL 4960 Field Studies			
<b>Credit hours subtotal:</b>			25
<b>Supporting Science Biology/Genetics</b>			
<b>Choose one:</b>			
ENTO 1000 Insect Biology	3		
ENTO 1001 Insect Biology			
ANSC 1010 Introduction to Animal Science			
<b>Choose one:</b>			
AGEC 1010 Principles of Macroeconomics			
AGEC 1020 Principles of Microeconomics	3		
LIFE 1010 General Biology	4		
LIFE 2023 Biology of Plants and Fungi	4		
LIFE 3400 General Ecology	3		

CHEM 1000 Introductory Chemistry	4	
CHEM 2300 Introductory Organic Chemistry	4	

**Credit hours subtotal:** 25

**Additional Math and Science Courses**

MATH 1400 College Algebra	3	
STAT 2050 Fundamentals of Statistics	4	

**Agriculture Science Elective**

9 hours upper division from the following: Animal Science (ANSC), Botany (BOT), Entomology (ENTO), Microbiology(MICR), Molecular Biology (MOLB), Plant Sciences (PLNT), Rangeland Ecology & Watershed Management (REWM), Pathobiology (PATB), or Soil Science (SOIL)	9	
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**Supporting Electives**

9 hours upper division from the following: Agricultural Economics (AGEC), Agroecology (AECL), Animal Science (ANSC), Botany (BOT), Chemistry (CHEM), Communications and Journalism (COJO), Environment and Natural Resources (ENR), Entomology (ENTO), Food Science (FDSC), Geography (GEOG), Geospatial Information Science and Technology (GIST), Life Sciences (LIFE), Microbiology (MICR), Molecular Biology (MOLB), Pathobiology (PATB), Plant Sciences (PLNT), Rangeland Ecology and Watershed Management (REWM), Soil Science (SOIL), or Zoology (ZOO)	9	
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**Credit hours subtotal:** 25

**General Electives**

Elective	33	Electives should work to fulfill upper division requirement.
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**Credit hours subtotal:** 33

**B.S. Agroecology  
total credit total:** 120

**B.S. Agroecology Program Notes:**

Agroecology B.S. degree recipients are prepared for careers with private and public institutions and agencies in such areas as: agricultural consulting, production or sales, research, product development, education, extension education, international programs, and scientific and technological support. These careers include but are not limited to: soil scientist, conservationist, entomologist, consultant, plant scientist, integrated pest management specialist, ecologist, research associate or technician, agronomist, biotechnician, and agroecologist. Degree recipients are also prepared for graduate education in biological and environmental sciences.

- The major requires students to earn a total of 128 credit hours; 48 credit hours or more must be at the 3000-level or above.
- See the "Prerequisite and MPE Cut Score Reference Chart" on the math Placement website for the most up-to-date math placement equivalencies: <http://uwyo.edu/mathstats/math-placement>
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.

**University of Wyoming Requirements**

- Students must have a minimum cumulative GPA of 2.0 to graduate.
- Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming.

- Courses must be taken for a single letter grade unless offered only for S/U.
- University Studies Program (USP), Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

### **College of Agriculture and Natural Resources**

- At least 30 hours in the major subject must be completed with a grade of C or better (individual majors may require more).

The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.