

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2019 - 2020

## Agroecology, BS



This sample degree plan is a guide, to be used for planning in consultation with your academic advisor. Actual course sequence may vary by student. A ▲ symbol identifies courses that must be taken and passed during the suggested semester in order for a student to stay on track toward completing the degree program within four years.

Course Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
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### Freshman Fall Semester

			USP First-Year Seminar	3	C	FY
			USP Communication 1	3	C	C1
	AECL	1000	Agroecology	4		
	CHEM	1000	Introductory Chemistry <sup>1</sup>	4	C	PN
			Supporting Biology Science Elective <sup>2</sup>	3		
<b>Credit hours subtotal:</b>				<b>17</b>		

### Freshman Spring Semester

	CHEM	2300	Introductory Organic Chemistry	4		Offered spring semester
▲	LIFE	1010	General Biology <sup>3</sup>	4	C	PN
	MATH	1400	College Algebra <sup>1</sup>	4	C	Q
	SOIL	2010	Introduction to Soil Science	4		Offered spring semester, Crosslisted with AECL 2010
<b>Credit hours subtotal:</b>				<b>16</b>		

### Sophomore Fall Semester

			USP US & Wyoming Constitutions	3	C	V
			USP Human Culture	3	C	H
	AGEC	1010	Principles of Macroeconomics	3	C	H, Cross listed with ECON 1010; can substitute AGECEC 1020 (Principles of Microeconomics) or ECON 1020
	COJO	2010	Public Speaking	3	C	C2
▲	LIFE	2023	Biology of Plants and Fungi	4	C	Offered fall semester
<b>Credit hours subtotal:</b>				<b>16</b>		

### Sophomore Spring Semester

			USP Human Culture	3	C	H
	LIFE	3400	General Ecology	3		
	STAT	2050	Fundamentals of Statistics	4		
			Ag Science Elective <sup>4</sup>	3		
			Elective	3		
<b>Credit hours subtotal:</b>				<b>16</b>		

University of Wyoming Requirements: Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division electives (3000- level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical and Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

#### Agroecology Program Notes:

Numerous courses are available to fulfill various USP requirements; please consult with an academic advisor about courses that might best support a degree in Agroecology. Agroecology Program Notes Continued on Page 2

<sup>1</sup>Requires MATH ACT  $\geq 23$ , MATH SAT  $\geq 600$ , Math Placement Exam (MPE)  $\geq 3$ , or  $\geq C$  in MATH 0925

<sup>2</sup>Supporting Biology Science Elective: Choose one (1) course from the following:

ANSC 1010 Livestock Production (4 hours)

ENTO 1000 Insect Biology (3 hours) OR ENTO 1001 Insect Biology w/Lab (4 hours)

REWM 3020 Nutritional Management of Grazing Ungulates (4 hours)

<sup>3</sup>Math ACT score of 23 or above, or concurrent enrollment or eligibility for concurrent enrollment in MATH 1400 or higher.

Revised 5/2019

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### Junior Fall Semester

AECL	3030	Ecological Web: Ecology of Plant Protection	3	Offered fall semester
		Ag Science Electives <sup>4</sup>	3	
		Supporting Electives <sup>5</sup>	3	
		Electives	6	
<b>Credit hours subtotal:</b>			<b><u>15</u></b>	

### Junior Spring Semester

AECL	4920	Topics in Agroecology: Research Apprenticeship	2	This is a variable credit course; 1 - 2 hours may be taken per semester, for a total of 2 hours
AECL	4930	Internship in Agroecology	2	This is a variable credit course; 1 - 3 hours per semester, 6 hours total; complete internship summer after sophomore year, can take credits fall, spring, or summer of junior year. Students can also substitute AECL 4960
		Ag Science Electives <sup>4</sup>	3	
		Supporting Electives <sup>5</sup>	3	
		Upper Division Elective	3	
<b>Credit hours subtotal:</b>			<b><u>13</u></b>	

### Senior Fall Semester

		Electives	11	
		Supporting Electives <sup>5</sup>	3	
<b>Credit hours subtotal:</b>			<b><u>14</u></b>	

### Senior Spring Semester

AECL	4990	Agroecology Seminar	3	C	C3
SOIL	4140	Soil Microbiology	4		Cross listed with MICR 4140, Offered spring semester
		Upper Division Electives	6		
<b>Credit hours subtotal:</b>			<b><u>13</u></b>		
<b>TOTAL CREDIT HOURS</b>			<b><u>120</u></b>		

#### Agroecology Program Notes Continued:

<sup>4</sup>Ag Science Electives. Courses should be selected from those with the following course prefixes: ANSC (Animal Science), BOT (Botany), ENTO (Entomology), MOLB (Molecular Biology), PLNT (Plant Sciences), REWM (Rangeland Ecology and Watershed Management), or SOIL (Soil Sciences). • Nine (9) total hours of upper division courses with the same prefix are required to satisfy this requirement for the degree but they do not have to be taken in the same semester. • Any hours beyond the nine (9) fulfill general elective requirements for the degree. • The Ag Science Electives requirement often works well to support a minor.

<sup>5</sup>Supporting Electives. Courses should be selected from those with the following prefixes: AGECE (Agricultural Economics), AECL (Agroecology), ANSC (Animal Sciences), BOT (Botany), CHEM (Chemistry), COJO (Communication and Journalism), ENR (Environment and Natural Resources), ENTO (Entomology), FDSC (Food Science), GEOG (Geography), LIFE (Life Sciences), MICR (Microbiology), MOLB (Molecular Biology), PATB (Pathobiology), PLNT (Plant Sciences), REWM (Rangeland Ecology and Watershed Management), SOIL (Soil Sciences), or ZOO (Zoology & Physiology). • Nine (9) hours of supporting electives, all upper division (3000-level or higher), are required but do not all have to be taken in the same semester. • Any hours beyond the nine (9) fulfill general elective requirements for the degree. • The Supporting Electives requirement can work well to support a minor.