

University of Wyoming Sample Four-Year Degree Plan  
Catalog Year: 2018-19

## 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.

| Sequence                      | Course Prefix | Course Number | Course Title                                     | Credit Hours | Min Grade | Notes |
|-------------------------------|---------------|---------------|--------------------------------------------------|--------------|-----------|-------|
|                               |               |               | 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                | 4         | C |                          |
|                               | MATH | 1400 | College Algebra <sup>1</sup>   | 4         | C | Q                        |
|                               | SOIL | 2010 | Introduction to Soil Science   | 4         |   | Offered spring semester. |
| <b>Credit hours subtotal:</b> |      |      |                                | <b>16</b> |   |                          |

### Sophomore Fall Semester

|                               |      |      |                                |           |   |                                                                                           |
|-------------------------------|------|------|--------------------------------|-----------|---|-------------------------------------------------------------------------------------------|
|                               |      |      | USP US & Wyoming Constitutions | 3         |   | 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) |
|                               | 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>3</sup> | 3         |   |   |
|                               |      |      | Elective                         | 3         |   |   |
| <b>Credit hours subtotal:</b> |      |      |                                  | <b>16</b> |   |   |

This sample degree plan is a guide for course work in the major. • Course sequencing may need to be altered if ACT or Math Placement scores require a student to take pre-college courses before taking required math or English courses. • Not all courses are offered every semester and some electives may have prerequisites. Students should review course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

#### 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 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.

#### 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 ≥ 23, MATH SAT ≥ 600, Math Placement Exam (MPE) ≥ 3, or ≥ C in MATH 0925 (University Standard)

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| Sequence                      | Course Prefix | Course Number | Course Title                                   | Credit Hours | Min Grade | Notes                                                                                                                                                                                                            |
|-------------------------------|---------------|---------------|------------------------------------------------|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Junior Fall Semester</b>   |               |               |                                                |              |           |                                                                                                                                                                                                                  |
|                               | AECL          | 3030          | Ecological Web: Ecology of Plant Protection    | 3            |           | Offered fall semester.                                                                                                                                                                                           |
|                               |               |               | Ag Science Electives <sup>3</sup>              | 6            |           |                                                                                                                                                                                                                  |
|                               |               |               | Supporting Electives <sup>4</sup>              | 6            |           |                                                                                                                                                                                                                  |
| <b>Credit hours subtotal:</b> |               |               |                                                | <b>15</b>    |           |                                                                                                                                                                                                                  |
| <b>Junior Spring Semester</b> |               |               |                                                |              |           |                                                                                                                                                                                                                  |
|                               | 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; can substitute AECL 4960 (Field Studies).                                                                       |
|                               | 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, take credits fall or spring of junior year; can substitute AECL 4960 (Field Studies) |
|                               |               |               | Ag Science Electives <sup>3</sup>              | 6            |           |                                                                                                                                                                                                                  |
|                               |               |               | Supporting Electives <sup>4</sup>              | 6            |           |                                                                                                                                                                                                                  |
| <b>Credit hours subtotal:</b> |               |               |                                                | <b>16</b>    |           |                                                                                                                                                                                                                  |
| <b>Senior Fall Semester</b>   |               |               |                                                |              |           |                                                                                                                                                                                                                  |
|                               |               |               | Ag Science Electives <sup>3</sup>              | 6            |           |                                                                                                                                                                                                                  |
|                               |               |               | Supporting Electives <sup>4</sup>              | 7            |           |                                                                                                                                                                                                                  |
| <b>Credit hours subtotal:</b> |               |               |                                                | <b>13</b>    |           |                                                                                                                                                                                                                  |
| <b>Senior Spring Semester</b> |               |               |                                                |              |           |                                                                                                                                                                                                                  |
|                               | AECL          | 4990          | Agroecology Seminar                            | 3            | C         | C3                                                                                                                                                                                                               |
|                               | SOIL          | 4140          | Soil Microbiology                              | 4            |           | Cross listed with MICR 4140, Offered spring semester.                                                                                                                                                            |
|                               |               |               | Ag Science Electives <sup>3</sup>              | 3            |           |                                                                                                                                                                                                                  |
|                               |               |               | Supporting Electives <sup>4</sup>              | 3            |           |                                                                                                                                                                                                                  |
| <b>Credit hours subtotal:</b> |               |               |                                                | <b>13</b>    |           |                                                                                                                                                                                                                  |
| <b>TOTAL CREDIT HOURS</b>     |               |               |                                                | <b>122</b>   |           |                                                                                                                                                                                                                  |

**Agroecology Program Notes continued:**

<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)

<sup>3</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>4</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.