<table>
<thead>
<tr>
<th></th>
<th>Fall Semester</th>
<th>Spring Semester</th>
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</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
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</tr>
<tr>
<td>ENG 101: English Composition I</td>
<td>3</td>
<td>ENG 102: English Composition II</td>
</tr>
<tr>
<td>BIOL 171: First Year Seminar</td>
<td>1</td>
<td>BIOL 182/L: College Biology II/Cellular Bio/Lab</td>
</tr>
<tr>
<td>BIOL 181/L: College Biology I/Organismal Bio/Lab</td>
<td>4</td>
<td>CHEM 211/L: Intro to Organic Chemistry/Lab</td>
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<tr>
<td>CHEM 121/121L: General Chemistry I/Lab</td>
<td>5</td>
<td>MATH 221: Applied Calculus</td>
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<tr>
<td>COMR 103: Speaking and Listening</td>
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<tr>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
<td><strong>16</strong></td>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td>BIOL 202/L: Zoology/Lab</td>
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<td>BIOL 201/L: Botany/Lab</td>
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<tr>
<td>Support Elective Course: Science</td>
<td>3-4</td>
<td>General Education Courses: Humanities</td>
</tr>
<tr>
<td>Support Elective Course: Communication</td>
<td>3</td>
<td>General Education Courses: Social Science</td>
</tr>
<tr>
<td>BIOL 352: Evolutionary Biology and Ecology</td>
<td>3</td>
<td>General Education Courses: History</td>
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<tr>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
<td><strong>16-17</strong></td>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
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<tr>
<td><strong>Third Year</strong></td>
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<tr>
<td>Approved Upper Division Elective: Zoology</td>
<td>3-5</td>
<td>Approved Upper Division Elective: Policy &amp; Admin</td>
</tr>
<tr>
<td>MATH 221: Applied Calculus</td>
<td>4</td>
<td>Approved Upper Division Elective: Terrestrial Vert.</td>
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<tr>
<td>General Education Courses: Humanities</td>
<td>3</td>
<td>General Education Courses: Social Science</td>
</tr>
<tr>
<td>Approved Upper Division Elective: Botany</td>
<td>3-4</td>
<td>General Electives</td>
</tr>
<tr>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
<td><strong>13-16</strong></td>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
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<tr>
<td><strong>Fourth Year</strong></td>
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<tr>
<td>Approved Upper Division Elective: Policy &amp; Admin</td>
<td>3</td>
<td>WANR 402: Management of Endangered Species</td>
</tr>
<tr>
<td>BIOL 453/L: Ecology/Lab</td>
<td>4</td>
<td>BIOL 493: Senior Seminar</td>
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<td>General Electives</td>
<td>6</td>
<td>Approved Upper Division Elective: Terrestrial Vert.</td>
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<tr>
<td>Advisor-Approved Upper Division Elective</td>
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<td>General Electives</td>
</tr>
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<td><strong>16</strong></td>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
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The Academic Planning Sheet is designed as a guide for students planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of an academic adviser. While accurately portraying the information contained in the college catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.
General Education Requirements: 21 semester hours

- ENG 101: English Composition I (3)
- ENG 102: English Composition II (3)
- Mathematics Course (3)
  - MATH 156: Introduction to Statistics (3)
- Humanities Courses (9)
  - COMR 103: Speaking and Listening (3)
- History Course (3)
- Social Sciences Courses (6)
- Natural and Physical Sciences Courses (8) (2 courses with labs)
  - BIOL 181/L: College Biology I/Organismal Bio/Lab (4)
  - BIOL 182/L: College Biology II/Cellular Bio/Lab (4)

Course Completed elsewhere CSU-Pueblo equivalent
(Ex: English 101) (Ex: English 101)

Major Requirements:

Core Requirements for Major: 27 semester hours

- BIOL 171: First Year Seminar (1)
- BIOL 181/L: College Biology I/Organismal Bio/Lab (4)
- BIOL 182/L: College Biology II/Cellular Bio/Lab (4)
- BIOL 201/L: Botany/Lab (4)
- BIOL 202/L: Zoology/Lab (4)
- BIOL 352: Evolutionary Biology and Ecology (3)
- WANR 302: Prine Wildlife Mgmt (3)
- WANR 402: Management of Endangered Species (3)
- BIOL 493: Seminar (1)

Required Support Courses: 29-31 semester hours

- CHEM 121/L: General Chemistry I/Lab I (5)
- CHEM 211/L: Principles of Organic Chem/Lab (4)
- MATH 156: Introduction to Statistics (3)
- MATH 221: Applied Calculus (4)
- COMR 103: Speaking and Listening (3)

Support Course Electives must include:
At least one science course from the following list:
- PHYS 201/L: Principles of Physics I/Lab I (4)
- GEOG 101/L: Earth Science/Lab (4)

At least one communications course from the following list:
- COMR 221: Interpersonal Communication (3)
- BUSAD 270: Business Communications (3)
- COMR 212: Argumentation (3)
- COMR 335: Gender and Communication (3)
- COMR 350: Communicating in Professions (3)

Support Course Electives: Cont’d

- ENG 204: Introduction to Rhetoric (3)
- ENG 302: Grant Writing (3)
- ENG 303: Advanced Composition (3)
- ENG 305: Technical & Scientific Report Writing (3)
- ENG 345: Intercultural Communication (3)
- MCCC 201: Introduction to Journalism (3)
- REC 381: Environmental Interpretation (3)

At least one additional MATH course in the 100 level or above:
Recommended:
- MATH 550 Statistical Methods, (3)

Approved Upper Division Electives: 30 semester hours

At least two terrestrial vertebrate courses from the following list:
- BIOL 482/L: Herpetology/Lab (3)
- BIOL 483/L: Mammalogy/Lab (3)
- BIOL 484/L: Ornithology/Lab (3)

At least one zoology course from the following list:
- BIOL 321/L: Comparative Vertebrate Anatomy/Lab (5)
- BIOL 414/L: Vertebrate Physiology/Lab (4)
- BIOL 441/L: Freshwater Invertebrate Zoology/Lab (4)
- BIOL 454 Behavioral Ecology (3)
- BIOL 479/L: Ichthyology/Lab (3)
- BIOL 481/L: Entomology/Lab (3)
- BIOL 482/L: Herpetology/Lab (3)
- The third of the terrestrial vertebrate courses above (3)

At least one botany course from the following list:
- BIOL 413/L: Plant Physiology/Lab (4)
- BIOL 485/L: Plant Taxonomy/Lab (4)
- BIOL 486/L: Field Botany (3)

At least two policy and administration courses from the following list:
- BIOL 462: Environmental Policy & Management (3)
- REC 482: Sustainable Practices (3)
- WANR 303: Nat Resources Policy & Administration (3)
- WANR 304: Human Dimensions in Nat Res Mgmt (3)

Advisor-Approved Upper Division Electives: 9-12 semester hours
Recommended:
- BIOL 454/L: Ecology/Lab (4)
- BIOL 461: Applied Geospatial Tech (GIS/GPS) (3)
- BIOL 479/L: Ichthyology/Lab (3)

General Electives: 11-13 semester hours

(Courses italicized meet General Education requirements)
Institutional Graduation Requirements:
- Total of 120 semester hours, minimum.
- Complete a minimum of 40 semester hours in upper-division courses.
- Overall cumulative grade point average of 2.00.
- A minimum of 60 semester hours must be earned from a four-year institution. Of these, a minimum of 30 semester hours of credit must be earned in residence.
- Of the last 30 semester credits earned immediately preceding graduation, no more than 15 may be completed at other colleges or universities.
- All other requirements as specified in the Catalog.

Additional Major Graduation Requirements
- Student majoring in Biology must receive a grade of C or better in all core biology courses.
- Students must have at least a cumulative GPA of 2.000 in the major area.
- Students majoring in biology must demonstrate computer literacy.

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