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**ACADEMIC PLANNING SHEET**  
**B.S. BIOLOGY**  
**BASIC BIOLOGY EMPHASIS**  
**COLORADO STATE UNIVERSITY – PUEBLO**  
2018-2019 CATALOG

**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**  
(Ex: English 101)  
**CSU-Pueblo equivalent**  
(Ex: English 101)

**Major Requirements:**

**Core Requirements for Major:** 30 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)  
  OR
- BIOL 202/L: Zoology/Lab (4)
- BIOL 301/L: General Microbiology/Lab (5)
- BIOL 350: Mendelian & Population Genetics (2)
- BIOL 351: Molecular Biology and Genetics (2)
- BIOL 352: Evolutionary Biology and Ecology (3)

**Core Requirements for Major cont.:**

- BIOL 412/L: Cellular Biology/Lab (4)  
  OR
- BIOL 413/L: Plant Physiology/Lab (4)  
  OR
- BIOL 414/L: Vertebrate Physiology/Lab (4)
- BIOL 493: Seminar (1)

**Required Support Courses:** 38-40 semester hours

- CHEM 121/L: General Chemistry I/Lab I (5)
- CHEM 122/L: General Chemistry II/Lab II (5)
- CHEM 301/L: Organic Chemistry I/Lab I (5)
- CHEM 302/L: Organic Chemistry II/Lab II (5)
- MATH 156: Introduction to Statistics (3)
- MATH 221: Applied Calculus (4)
- PHYS 201/L: Principles of Physics I/Lab I (4)  
  AND
- PHYS 202/L: Principles of Physics II/Lab II (4)  
  OR
- PHYS 221/L: General Physics I/Lab (5)  
  AND
- PHYS 222/L: General Physics II/Lab (5)
- COMR 103: Speaking and Listening (3)

**Advisor-approved Upper Division Biology Electives:** 15 semester hours

**General Electives:** 14-16 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 2.00 in the major area.
- Students majoring in biology must demonstrate computer literacy.

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