

ACADEMIC PLANNING SHEET

B.S. CHEMISTRY SECONDARY EDUCATION

COLORADO STATE UNIVERSITY – PUEBLO

2018-2019 CATALOG

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	Fall Semester		Spring Semester	
First Year	CHEM 121/L: General Chemistry I/Lab ENG 101: English Composition I PSYCH 151 or PSYCH 251 or PSYCH 342 (151 or 251 will count for Social Science Gen Ed) COMR 103: Speaking & Listening (Humanities)	5 3 3 3	CHEM 122/L: General Chemistry II/Lab ENG 102: English Composition II BIOL 100/L: Principles of Biology/Lab General Education Course: Humanities	5 3 4 3
	TOTAL SEMESTER HOURS	14	TOTAL SEMESTER HOURS	15
Second Year	MATH 126: Calculus & Analytic Geometry I BIOL 121/L: Environmental Conservation/Lab ED 280: Educational Media & Technology General Education Course: Humanities	5 4 3 3	CHEM 211/Lab: Introduction to Organic Chem. (4) OR CHEM 301/L: Organic Chemistry I (5) MATH 224: Calculus & Analytic Geometry II GEOL 101/L: Earth Science/Lab ED 202: Foundations of Education	4-5 5 4 3
	TOTAL SEMESTER HOURS	15	TOTAL SEMESTER HOURS	16-17
Third Year	ED 301: Frameworks of Teaching CHEM 317/L: Quantitative Analysis RDG 435: Content Area Literacy CHEM 311: Survey of Biochemistry	4 5 4 3	PHYS 221/L: General Physics I/Lab CHEM 419/L: Instrumental Analysis (5) OR CHEM 221/L: Inorganic Chemistry (4) ED 412: Teaching Diverse Learners General Education Course: Social Science	5 4-5 3 3
	TOTAL SEMESTER HOURS	16	TOTAL SEMESTER HOURS	15-16
Fourth Year	CHEM 321: Physical Chemistry I PHYS 222/L: General Physics II CHEM 493: Seminar ED 444: Teaching Secondary Science General Education Course: History	3 5 1 4 3	ED 485: Capstone Seminar in Education ED 488: Secondary Student Teaching	1 12
	TOTAL SEMESTER HOURS	16	TOTAL SEMESTER HOURS	13

- COMR 103 required for admission into Teacher Education Program

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: 21-24 semester hours

(21 credits if PSYCH 151 or PSYCH 251 taken as Social Science.

If either not taken and if student took the non-general education course of PSYCH 342 then student would need 6 credits of Social Science.)

- ENG 101: English Composition I (3)
- ENG 102: English Composition II (3)
- Mathematics Course (3)
MATH 126: Calculus I (5)
- Humanities Courses (9)
COMR 103: Speaking and Listening (3)
- History Course (3)
- Social Sciences Courses (6)
PSYCH 151 or PSYCH 251 (3)
- Natural and Physical Sciences Courses (8) (2 courses with labs)
CHEM 121/L: General Chemistry I/Lab (5)
CHEM 122/L: General Chemistry II/Lab (5)

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

Major Requirements:**Required Chemistry Courses: 30-32 semester hours**

- CHEM 121/L: General Chemistry I/Lab (5)*
- CHEM 122/L: General Chemistry II/Lab (5)*
- CHEM 211/L: Intro to Organic Chemistry/Lab (4)
OR
- CHEM 301/L: Organic Chemistry I/Lab (5)
- CHEM 311: Survey of Biochemistry (3)

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:

- Students majoring in chemistry must receive a grade of “C” or better in all core chemistry courses.
- Proficiency in physics, math and computer science is essential for understanding and applying chemical principles; therefore, graduates must complete approved math and physics courses with an overall GPA of 2.000 or better.

Additional Minor Graduation Requirements:

- Cumulative grade point average of 2.600.

Required Chemistry Courses cont'd:

- CHEM 317/L: Quantitative Analysis/Lab (5)
- CHEM 321: Physical Chemistry I (3)
- CHEM 419/L: Instrumental Analysis/Lab (5)
OR
- CHEM 221/L: Inorganic Chemistry/Lab (4)
- CHEM 493: Seminar (1)

Other Required Courses: 69 semester hours

- BIOL 100/L: Principles of Biology/Lab (4)
- BIOL 121/L: Environmental Conservation/Lab (4)
- GEOG 101/L: Earth Science/Lab (4)
- MATH 126: Calculus I (5)*
- MATH 224: Calculus II (5)
- PHYS 221/L: General Physics I/Lab (5)
- PHYS 222/L: General Physics II/Lab (5)
- PSYCH 151 or PSYCH 251 or PSYCH 342 (3)*
- ED 202: Foundation of Education (3)
- ED 280: Educational Media & Technology (3)
- ED 301: Frameworks of Teaching (4) - completion of 45 college hours and a cumulative GPA of 2.6
- ED 412: Teaching Diverse Learners (3)
- ED 444: Teaching Secondary Science (4)
- RDG 435: Content Area Literacy (4)
- ED 485: Capstone Seminar (1)
- ED 488: Student Teaching Secondary (12)

(Courses *italicized* meet General Education requirements)

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