

ACADEMIC PLANNING SHEET

B.S. CHEMISTRY FORENSIC EMPHASIS

COLORADO STATE UNIVERSITY – PUEBLO

Dr. Linda Wilkes, Professor

Chem Bldg. 212 (719) 549-2560 Email: linda.wilkes@colostate-pueblo.edu

Ms. Amber Simpson, Administrative Assistant

Chem Bldg. 111 (719) 549-2574 Email: amber.simpson@colostate-pueblo.edu

| | Fall Semester | | Spring Semester | |
|--------------------|--|-------------------------------|--|------------------|
| First Year | CHEM 121/L: General Chemistry I/Lab ENG 101: English Composition I General Education Course: Humanities General Education Course: Social Sciences | 5 3 3 3 14 | CHEM 122/L: General Chemistry II/Lab ENG 102: English Composition II CHEM 160/L: Intro to Forensic Science/Lab MATH 156: Introduction to Statistics | 5 3 4 3 |
| | TOTAL SEMESTER HOURS | | TOTAL SEMESTER HOURS | 15 |
| Second Year | CHEM 301/L: Organic Chemistry I/Lab MATH 126: Calculus and Analytic Geometry I General Education Course: Humanities General Education Course: Social Sciences | 5 5 3 3 16 | CHEM 302/L: Organic Chemistry II/Lab MATH 224: Calculus and Analytic Geometry II CHEM 260/L: Forensic Chemistry I/Lab | 5 5 4 |
| | TOTAL SEMESTER HOURS | | TOTAL SEMESTER HOURS | 14 |
| Third Year | CHEM 221/L: Inorganic Chemistry I/Lab CHEM 317/L: Quantitative Analysis/Lab Forensic Science Elective General Education Course: Humanities | 3 5 5 3 16 | PHYS 221/L: General Physics/Lab CHEM 322: Physical Chemistry II Forensic Science Elective General Education Course: History | 5 3 5 3 |
| | TOTAL SEMESTER HOURS | | TOTAL SEMESTER HOURS | 16 |
| Fourth Year | CHEM 321: Physical Chemistry I PHYS 222/L: General Physics II/Lab CHEM 460: Forensic Chemistry II/Lab Forensic Science Elective | 3 5 4 3 15 | CHEM 419/L: Instrumental Analysis/Lab CHEM 493: Seminar Forensic Science Elective | 5 1 8 |
| | TOTAL SEMESTER HOURS | | TOTAL SEMESTER HOURS | 14 |

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 advisor. 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.

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General Education Requirements: 24 semester hours

- ENG 101: English Composition I (3)
- ENG 102: English Composition II (3)
- Mathematics Course (3)
 - MATH 126: Calculus and Analytical Geometry (I) (5)*
- Humanities Courses (9)
- History Course (3)
- Social Sciences Courses (6)
- Natural and Physical Sciences Courses (8) (including 2 hours lab)
 - CHEM 121L: General Chemistry/Lab I (5)*
 - CHEM 122/L: General Chemistry/Lab II (5)*

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

Major Requirements:

Chemistry Major Core Courses: 40 semester hours

- CHEM 121L: General Chemistry/Lab I (5)*
- CHEM 122/L: General Chemistry/Lab II (5)*
- CHEM 221/L: Inorganic Chemistry/Lab (3)
- CHEM 301/L: Organic Chemistry/Lab I (5)
- CHEM 302/L: Organic Chemistry/Lab II (5)
- CHEM 317L: Quantitative Analysis/Lab (5)
- CHEM 321*: Physical Chemistry I (3)
- CHEM 322*: Physical Chemistry II (3)
- CHEM 419L: Instrumental Analysis/Lab (5)
- CHEM 493: Seminar (1)

*CHEM 322 is not a continuation of CHEM 321 and can be taken before CHEM 321.

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.

Major Requirements cont.:

Other Required Courses: 44 semester hours

- MATH 126: Calculus and Analytical Geometry (I) (5)*
- MATH 224: Calculus and Analytical Geometry II (5)
- PHYS 221/L: General Physics/Lab I (5)
- PHYS 222/L: General Physics/Lab II (5)
- Institutional and General Education Courses: 24 semester hours

Forensics Science Emphasis: 36 semester hours

- CHEM 160/L: Introduction to Forensics (4)
- CHEM 260/L: Forensic Chemistry I (4)
- CHEM 460/L: Forensic Chemistry II (4)
- MATH 156: Introduction to Statistics (3)
- Electives: 21 semester hours

(Courses *italicized* meet General Education requirements)

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