

ACADEMIC PLANNING SHEET

B.A. MATHEMATICS

COLORADO STATE UNIVERSITY – PUEBLO

2018-2019 CATALOG

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| | Fall Semester | | Spring Semester | |
|--------------------|---|-----------------------|--|-----------------------|
| First Year | MATH 126: Calculus and Analytic Geometry I ENG 101: English Composition I Elective General Education Course: Humanities | 5 3 3 3 | MATH 224: Calculus & Analytic Geometry II ENG 102: English Composition II PHYS 221 with Lab or CHEM 121 with lab | 5 3 5 |
| | TOTAL SEMESTER HOURS | 14 | TOTAL SEMESTER HOURS | 13 |
| Second Year | MATH 307: Introduction to Linear Algebra MATH 325: Intermediate Calculus PHYS 222 with lab or CHEM 122 with lab Minor Course elective/elective | 4 4 5 3 | MATH 337: Differential Equations MATH 242: Introduction to Computation Minor Course/elective General Education Course: Social Science Foreign Language | 3 4 3 3 3 |
| | TOTAL SEMESTER HOURS | 16 | TOTAL SEMESTER HOURS | 16 |
| Third Year | MATH 350: Probability Elective Minor Course/elective General Education Course: Social Science Foreign Language | 3 3 3 3 3 | Elective Elective Minor Course/elective General Education Course: History Elective | 3 3 3 3 3 |
| | TOTAL SEMESTER HOURS | 15 | TOTAL SEMESTER HOURS | 15 |
| Fourth Year | MATH 421: Introduction to Analysis MATH elective upper-division MATH elective upper-division Minor Course/elective Elective | 4 3 3 3 3 | MATH 427: Abstract Algebra MATH elective upper-division Minor Course/elective Minor Course/elective Elective | 4 3 3 3 2 |
| | TOTAL SEMESTER HOURS | 16 | TOTAL SEMESTER HOURS | 15 |

DISCLAIMER: 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 CSU-Pueblo.

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 Analytic Geometry I*
- Humanities Courses (9)
- History Course (3)
- Social Sciences Courses (6)
- Natural and Physical Sciences Courses (10) (2 courses with labs)
 - CHEM 121/1221L and CHEM 122/122L*
 - OR
 - PHYS 221/221L and PHYS 222/222L*

World Language Requirements:

Student seeking the degree of Bachelor of Arts must complete one of the three options listed below:

- 1) Completion of the second level of a world language (course number 102).
 - *Student may test out of the course
 - *Completion of a world language course above 102 with a grade of C or better will satisfy the requirement
- 2) Completion of WL 100, Introduction to Comparative Linguistics, & ANTHR/ENG 106, Language Thought and Culture.
- 3) Completion of the second level of American Sign Language.

Transfer Students:

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

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 at least 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:

- Mathematics majors must complete the mathematics courses in their program with a grade of C or better.
- All majors must complete a physics course numbered 200 or above.

Major Requirements: (41 semester hours)

- MATH 126: Calculus and Analytic Geometry I (5)*
- MATH 224: Calculus and Analytic Geometry II (5)
- MATH 307: Introduction to Linear Algebra (4)
- MATH 325: Intermediate Calculus (4)
- MATH 337: Differential Equations I (3)
- MATH 350: Probability (3)
- MATH 421: Introduction to Analysis (4)
- MATH 427: Abstract Algebra (4)
- Upper Division Math Electives (9)
(Excluding MATH 360, 361, 477)

(courses in *italics* meet General Education requirements)

Other Requirements: (14 semester hours)

- Laboratory Science Sequence (10)
 - CHEM 121/1221L and CHEM 122/122L*
 - OR
 - PHYS 221/221L and PHYS 222/222L*
- Computer Programming (4)
 - MATH 242: Introduction to Computation

Electives: (41 semester hours)

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