

ACADEMIC PLANNING SHEET

B.S. MATHEMATICS

COLORADO STATE UNIVERSITY – PUEBLO

2015-2016 CATALOG

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	Fall Semester		Spring Semester	
First Year	MATH 126: Calculus and Analytic Geometry I ENG 101: English Composition I PHYS 201/201L or Elective General Education Course: Humanities	5 3 4 3	MATH 224: Calculus & Analytic Geometry II MATH 207: Matrix & Vector Algebra with Apps ENG 102: English Composition II PHYS 221 with Lab or CHEM 121 with lab	5 2 3 5
	TOTAL SEMESTER HOURS	15	TOTAL SEMESTER HOURS	15
Second Year	MATH 307: Introduction to Linear Algebra MATH 325: Intermediate Calculus PHYS 222 with lab or CHEM 122 with lab Minor Course/elective	4 3 5 3	MATH 337: Differential Equations MATH 242: Introduction to Computation Minor Course/elective General Education Course: Social Science General Education Course: Humanities	3 4 3 3 3
	TOTAL SEMESTER HOURS	15	TOTAL SEMESTER HOURS	16
Third Year	MATH 350: Probability Elective Minor Course/elective General Education Course: Social Science General Education Course: Humanities	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 Electives Minor Course/elective	4 3 4 3	MATH 427: Abstract Algebra MATH elective upper-division Minor Course/elective Minor Course/elective Elective	4 3 3 3 2
	TOTAL SEMESTER HOURS	14	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 (8) (2 courses with labs)
 - CHEM 121/1221L and CHEM 122/122L*
OR
 - PHYS 221/221L and PHYS 222/222L*

Transfer Students:

<u>Course Completed elsewhere</u>	<u>CSU-Pueblo equivalent</u>
(Ex: English 101)	(Ex: English 101)

Major Requirements: (39 semester hours)

- MATH 126: Calculus and Analytic Geometry I (5)*
- MATH 207: Matrix & Vector Algebra with Applications (2)
- MATH 224: Calculus and Analytic Geometry II (5)
- MATH 307: Introduction to Linear Algebra (4)
- MATH 325: Intermediate Calculus (3)
- 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 (6)
(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: (43 semester hours)**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:

- 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.

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