

# Physical Science Composite Teaching BS Degree Plan

This degree is available through *either* the Department of Chemistry and Biochemistry *or* the Department of Physics. Students with a Composite Teaching Major in Physical Sciences should plan their programs carefully in order to meet the upper-division requirement for graduation.

The suggested schedule shown below should be used in conjunction with the Physics major requirement sheet at:

<http://www.usu.edu/majorsheets/>

Students should consult with their advisor to develop an individualized plan of study which is applicable to their interests and degree track.

## Freshman Year (32 credits)

### Fall Semester (15 credits)

PHYS 2210 (QI) General Physics—Science and Engineering I.....	4
MATH 1210 (QL) Calculus I.....	4
PHYS 1080/USU 1360 (BPS) Intelligent Life in the Universe.....	3
University Studies Breadth course.....	3
Elective course.....	1

### Spring Semester (17 credits)

PHYS 2220 (BPS/QI) General Physics—Science and Engineering II.....	4
MATH 1220 (QL) Calculus II.....	4
BIOL 1010 (BLS) Biology and the Citizen.....	3
ENGL 1010 (CL1) Introduction to Writing: Academic Prose.....	3
University Studies Breadth course.....	3

## Sophomore Year (35 credits)

### Fall Semester (18 credits)

PHYS 1040 (BPS) Introductory Astronomy.....	3
GEO 1110 (BPS) The Dynamic Earth: Physical Geology.....	4
CHEM 1210 Principles of Chemistry I.....	4
CHEM 1215 Chemical Principles Laboratory I.....	1
PSC 2000 (BPS) The Atmosphere and Weather.....	3
University Studies Breadth course.....	3

### Spring Semester (17 credits)

CHEM 1220 (BPS) Principles of Chemistry II.....	4
CHEM 1225 Chemical Principles Laboratory II.....	1
ENGL 1010 (CL1) Introduction to Writing: Academic Prose.....	3
STAT 3000 (QI) Statistics for Scientists.....	3
PHYS elective course at 2500-level or higher.....	3
University Studies Breadth course.....	3
Apply for STEP (Secondary Teacher Education Program)	

## Junior Year (31-33 credits)

### Fall Semester (15-17 credits)

CHEM 2300 Principles of Organic Chemistry (3 cr) or	
CHEM 2310 Organic Chemistry I (4 cr).....	3 or 4
CHEM 2315 Organic Chemistry Laboratory I.....	1
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode.....	3
University Studies Breadth course.....	3
University Studies Depth course.....	3
PHYS elective course at 2500-level or higher.....	2-3

### Spring Semester (16 credits)

SCI 4300 Science in Society.....	2
University Studies Depth course.....	3
STEP Level I courses.....	11

## Senior Year (24 credits)

### Fall Semester (12 credits)

STEP Level 2 courses.....	12
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### Spring Semester (12 credits)

STEP Level 3 Student Teaching.....	12
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