



**CU-Colorado Springs**  
**College of Letters, Arts and Sciences**

**Biology, Elementary Teaching Option**

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- This program includes both LAS requirements for graduation plus Colorado requirements for Elementary (K-6) teachers.
- Along with courses listed below, Elementary teachers should complete T Ed 300 & 301 by the end of their sophomore year.
- Students apply to the College of Education as rising juniors; if accepted, they continue with the courses below plus education courses. If not accepted, students may continue the bachelor's degree in the major without the education option.

**Biology Major, Elementary Teaching / Special Education Option**

	<b><u>Credits</u></b>
BIOL 105 Personal Nutrition	3
BIOL 110, 111 General Biology I and Lab	4
BIOL 115, 116 General Biology II and Lab	4
BIOL 370 General Ecology	3
BIOL 203 and 213 Microbiology and lab or BIOL 310 and 311 Bacteriology/Mycology & Lab	4
BIOL 302 Cell Biology	3
BIOL 383 Genetics or BIOL 483 Biochemistry Principles	3
BIOL 425 Evolution	3
Upper-division Biology elective	3-4

***General Education Requirements\*\****

\*\*Students are required as part of their general education requirements to complete courses in Oral Communication, Cultural Diversity, and Global Awareness. These courses are identified in the LAS section of the schedule of courses and in the bulletin.

Humanities Area Requirement

ENGL 150 Introduction to Literature (prereq ENGL 131 or equivalent)	3
HIST 151 US: Birth of a Nation	3
Core Humanities (HUM prefix, numbered 300 and above)	3
One of the following:	3
PHIL 100 Intro to Philosophy	
PHIL 102 Ethics	
PHIL 112 Critical Thinking	

Natural Science Area Requirement

CHEM 103 General Chemistry I	5
PES 101 and 115 Physics for Life Sciences I and Lab	5
Remaining hours from (labs are optional):	3
ENSC 150 Intro to Energy Sci or ENSC 151 Intro to Energy Sci II	
GEOL 153 Geol Devel of Colo and the West or GEOL 317 Geology of National Parks	
One course from: GES 100 Envir Systems: Climate, Veg & Soils, GES 101 Envir Systems: Landforms, GES 105 Intro to Map & Compass, or GES 320 Practical Meteorology	
PES 100 and 114 Physics in Everyday Life and Lab or PES 105 and 109	
Astronomy I and Lab or PES 106 and 110 Astronomy II and Lab	

Social Science Area Requirement

ECON 100 Economics of Social Issues or ECON 101 Introduction to Microeconomics	3
GES 198 World Regional Geography or GES 199 Intro to Human Geography	3
P SC 110 American Political System or P SC 210 Politics State/Local	3
PSY 100 General Psychology	4

Composition Requirement

ENGL 131 Rhetoric and Writing I	3
ENGL 141 Rhetoric and Writing II	3

Reasoning Skills Requirement

MATH 301 Math for Elementary Teachers I	3
MATH 302 Math for Elementary Teachers II	3

**Elementary Teaching or Special Education** (See Education Advisor for specific courses)      39-40

**TOTAL CREDITS**

**120**

# **MODEL DEGREE PROGRAM**

## **BIOLOGY/ELEMENTARY EDUCATION (BIOL/ELM)**

The following four-year plan lists all the specific course requirements for the Bachelor of Arts degree in Biology with the Elementary Education Option. The order in which these courses are taken may vary with course availability. **Students are responsible for completing all course prerequisites.** Please note that this is a *suggested* degree program; your program may vary.

### ***Suggested First Year***

#### **FALL**

- \_\_\_\_\_ ENGL131 Rhetoric & Writing I  
(Prer. of ENGL099 or ACT 19+ or SAT 450+)
- \_\_\_\_\_ ECON100 Econ. of Social Issues or 101 Intro to Microecon
- \_\_\_\_\_ BIOL 110 & 111 General Biology I and lab – 4 hours
- \_\_\_\_\_ CHEM 103 General Chemistry I – 5 hours

**TOTAL=15 credits**

#### **SPRING**

- \_\_\_\_\_ ENGL141 Rhetoric & Writing II  
(Prer. of ENGL131 or ACT 29+ or SAT 650+)
- \_\_\_\_\_ CHEM 106 General Chemistry II – 5 hours
- \_\_\_\_\_ PSY 100 General Psychology – 4 hours
- \_\_\_\_\_ BIOL 115 & 116 General Biology II and lab – 4 hrs

**TOTAL=16 credits**

### ***Suggested Second Year***

#### **FALL**

- \_\_\_\_\_ P SC 110 American Political Sys. or 210 State/Local
- \_\_\_\_\_ HIST 151 US: Birth of a Nation
- \_\_\_\_\_ PES 101 & 115 Physics for Life Sciences and lab – 5 hours
- \_\_\_\_\_ ENGL 150 Intro to Literature
- \_\_\_\_\_ PHIL 100 Intro., 102 Ethics, or 112 Critical Thinking

**TOTAL=17 credits**

#### **SPRING**

- \_\_\_\_\_ BIOL 105 Personal Nutrition
- \_\_\_\_\_ BIOL 370 General Ecology
- \_\_\_\_\_ T ED 300 Contemporary American Education
- \_\_\_\_\_ T ED 301\* Early School Experience – 1 hour
- \_\_\_\_\_ MATH 301 Math for Elementary Teachers I
- \_\_\_\_\_ BIOL 310 & 311 Bacteriology/Mycology & lab – 4 hr

**TOTAL=17 credits**

### ***Suggested Third Year***

#### **FALL**

- \_\_\_\_\_ Natural Science Elective from list
- \_\_\_\_\_ BIOL 302 Cell Biology
- \_\_\_\_\_ MATH 302 Math for Elementary Teachers II
- \_\_\_\_\_ T ED 452 Educational Psychology
- \_\_\_\_\_ Core Humanities
- \_\_\_\_\_ T ED 301 Early School Experience – 1 hour

**TOTAL=16 credits**

#### **SPRING**

- \_\_\_\_\_ BIOL 383 Genetics
- \_\_\_\_\_ SPED 3001 Intro. To Special Education\*\*
- \_\_\_\_\_ BIOL 425 Evolution
- \_\_\_\_\_ Upper Division Biology Elective
- \_\_\_\_\_ T ED 462 Elementary Reading Methods (taken during the Summer semester)

**TOTAL=15 credits**

### ***Suggested Fourth Year***

#### **FALL**

- \_\_\_\_\_ T ED 460 School Experience Elementary
- \_\_\_\_\_ T ED 458 Elementary Curriculum – 2 hours
- \_\_\_\_\_ T ED 441 Childrens Literature – 1 hour
- \_\_\_\_\_ T ED 457 Elementary Literacy Methods
- \_\_\_\_\_ T ED 464 Elementary Math Methods
- \_\_\_\_\_ T ED 465 Elementary Science Methods – 2 hours
- \_\_\_\_\_ T ED 466 Elementary Social Studies Methods – 1 hour

**TOTAL=15 credits**

#### **SPRING**

- \_\_\_\_\_ T ED 463 Student Teaching: Elementary – 12 hours

**TOTAL=12 credits**

All courses are 3 credits unless otherwise stated.

Students should attend a College of Education group advising session prior to applying to the First Tier. Please contact the Student Success Center at 262-3260 for information on dates and times for group advising sessions.

\* Students should apply for the First Tier of the Education Program while they are taking T ED300 and T ED301.

\*\* Students should apply for the Second Tier of the Education Program by February 1 of the year they plan to enter the Second Tier.