

The Liberal Arts Degree: Natural Sciences is a group of courses emphasizing examination of the physical universe, its life forms and its natural phenomena. Students will demonstrate an understanding of experimental methodologies, testing hypotheses and the power of systematic questioning as investigative tools. Students will examine the relationship of scientific and technological capability with human values and social goals, and gain a sophisticated understanding of science as a human endeavor, including the limitations as well as the power of scientific inquiry. Students must complete 18 units from at least two of the following disciplines with a grade of "C" or better: Anthropology, Astronomy, Biology, Chemistry, Geography (excluding cultural studies), Geology and Physics.

### Program Learning Outcomes

Upon completion of this program a student will be able to:

- Develop knowledge of their own critical thinking skills and processes.
- Recognize the effects of their communication skills on others' perceptions of themselves.
- Develop an awareness of the manifold perspectives of the diversity of peoples and cultures that surround them.

### Degree Major Requirements

	UNITS
<b>General Education Options (Choose One)</b>	
a. Local AA/AS General Education	19-31
b. CSU GE BREADTH	39
c. IGETC	37
<b>Areas of Emphasis (Choose One):</b>	
• Natural Sciences	18
Electives	3-23
<b>Other Requirements:</b>	
Computer Literacy, Ethnic Studies	0-5
<b>Total Program Units:</b>	<b>60</b>

DEPT/NO.	TITLE	UNITS
<b>Students should complete 18 units from a minimum of two disciplines from the list of courses:</b>		
ANTHR 1	Introduction to Physical Anthropology (3)	18
ANTHR 1L	Physical Anthropology Laboratory (1)	
ASTR 1	Introduction to Astronomy (3)	
BIOL 1A	General Biology (5)	
BIOL 1B	General Biology (5)	
BIOL 2	Human Anatomy (5)	
BIOL 4	Human Physiology (5)	
BIOL 10	Introduction to Biology (4)	
CHEM 1A	General Chemistry (5)	
CHEM 1B	General Chemistry (5)	
CHEM 30A	Introductory General Chemistry (4)	
CHEM 30B	Introductory Organic and Biochemistry (4)	
CHEM 50	Beginning Chemistry (4)	
GEOG 1	Physical Geography (3)	
GEOG 1L	Physical Geography Laboratory (1)	
GEOL 10	Introduction to Geology (3)	
PHYS 4A	General Physics with Calculus (5)	
PHYS 4B	General Physics with Calculus (5)	
PHYS 4C	General Physics with Calculus (5)	
PHYS 10	Introduction to Physics (4)	
PHYS 10L	Introduction to Physics Laboratory (1)	
<b>Minimum Required Units:</b>		<b>18</b>

### Recommended Course Sequence

	COURSE	UNITS	REQUIREMENT	COA GE AREA
FALL 1	BIOL 10 Introduction to Biology	4	Major Elective	1
	ENGL 1A Composition and Reading <b>or</b> ENGL 1AS Composition and Reading (w/ support)	4 or 5	GE	4A
	MATH 13 Introduction to Statistics (+213 Support Course)	4 or 6	GE	4B
	COUN 24 College Success <b>or</b> COUN 57 Career and Life Planning	3	Elective	
	Total Number of Units 15-18			
SPRING 1	CHEM 30A Introductory General Chemistry	4	Major Elective	1
	ENGL 5 Critical Thinking in Reading and Writing	3	GE	4A or 4D
	HIST 7A History of the United States to 1877	3	GE	2 or 3
	PSYCH 1A Introduction to General Psychology	3	GE	2
	LIS 74 Information Seeking Behavior	3	GE	4C
	Total Number of Units: 16			
FALL 2	BIOL 2 Human Anatomy	5	Major Elective	1
	POSCI 1 Government and Politics in the United States	3	Elective	2
	COMM 45 Public Speaking	3	Elective	4D
	ART 1 Introduction to Art History	3	Elective	3
	KIN 60A Circuit Training for Strength I – Fundamentals	1	Elective	
	Total Number of Units: 15			
SPRING 2	BIOL 4 Human Physiology	5	Major Elective	1
	HIST 7B History of the United States since 1865	3	Elective	2 or 3
	GEOG 2 Cultural Geography	3	Elective	2
	SOC 5 Minority Groups	3	GE	2 & 5
	KIN 54A Cross Fitness I – Fundamentals <sup>1</sup>	1	Elective	
	Total Number of Units: 15			

<sup>1</sup> Recommended for students who benefit from taking 15 units per semester.

Please meet with a counselor to develop a personalized education plan to help you meet your specific goals.