

LIBERAL STUDIES (BS)

Degree Requirements and Curriculum

In addition to the program requirements listed on this page, students must also satisfy requirements outlined in more detail in the Minimum Requirements for Graduation (<https://catalog.calpoly.edu/academic-standards-policies/general-requirements-bachelors-degree/#generaleducationtext>) section of this catalog, including:

- 40 units of upper-division courses
- 2.0 GPA
- Graduation Writing Requirement (GWR)
- U.S. Cultural Pluralism (USCP)

Note: Up to 4 units of credit/no credit grading may be selected for courses in Major, Support, or Concentration. In addition, no more than 12 units of cooperative or internship courses can count towards your degree requirements.

Code	Title	Units
MAJOR COURSES		
LS 1201	Orientation to Liberal Studies	1
LS 2230	Field Experience in the Elementary Classroom I	2
LS 3250	Field Experience in the Elementary Classroom II	2
LS 2255	Children's Literature in a Diverse Society (3B) ¹	3
LS 2370	Performing Arts for Children: Theory and Practice (3A) ¹	3
LS 3211	Arts in the Elementary Classroom	3
LS 3214	Constitutional Issues and Social/Historical Foundations of U.S. and California Education	4
LS 3301	Liberal Studies Career Preparation	1
LS 3310	Storytelling: Modern Applications of Traditional Narrative	3
Select from the following:		3
LS 4411	Advanced History/Social Sciences Integration for the K-8 Classroom	
LS 4412	Advanced Arts Integration for the K-8 Classroom	
LS 4413	Advanced Science/Engineering Integration for the K-8 Classroom	
LS 4461 or LS 4462	Senior Project Seminar Senior Project Research	3
Concentration or Individualized Course of Study		
(See list of Concentrations and Individualized Course of Study below)		12-14
SUPPORT COURSES		
BIO 3210	Biology of Plants and Animals for Future Teachers	4
EDUC/CD 2207	Children's Learning and Development in Educational Settings	3
EDUC 4427	Culturally Responsive Methods and Inquiry for Teaching Emergent Bilinguals	3
EDUC 4440	Educating Individuals with Exceptional Needs	3
ENGL 3391	Applied Linguistics	3
HIST 2201	United States History to 1877 (4A) ¹	3
HIST 2210	World History to 1800 (4B) ¹	3
KINE 3310	Concepts and Applications in Elementary Physical Education	3
MATH 3481	Mathematics for Elementary Teaching I	4
MATH 3482	Mathematics for Elementary Teaching II	4
MATH 3483	Mathematics for Elementary Teaching III	3
PHIL 2230 or PHIL 2231	Philosophical Classics: Knowledge and Reality Philosophical Classics: Ethics and Political Philosophy	3
PSC 1101	Physical Science for Elementary Educators I (5A & 5C) ¹	4
PSC 1102	Physical Science for Elementary Educators II	4
PSY 2201	Introductory Psychology	3
Select from the following: (2) ¹		3
STAT 1000	Statistical and Data Literacy	

STAT 1110	Applied Statistical Concepts and Methods
GENERAL EDUCATION (GE)	
(See GE program requirements below)	
FREE ELECTIVES	
Free Electives	1-3
Total Units	120

¹ Required in Major or Support; also satisfies General Education (GE) requirement.

² If a General Education (GE) course is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.

Concentrations

Environmental Education

Code	Title	Units
REQUIRED COURSES		
Cultural and Social		
Select from the following: ¹		3-4
BOT 3311	Plants, People and Civilization	
ERSC/GEOG 3325	Climate and Humanity	
ES 3360	Indigeneity and the Land	
GEOG 1150	Human Geography	
GEOG/SCM 3350	The Global Environment	
GEOG 3370	Geography of Latin America	
GEOG 3380	Geography of the Caribbean	
HIST 3311	Comparative World Environmental History and Sustainability	
PHIL 3340	Environmental Ethics	
PSC 3320	Energy, Society, and the Environment	
Ecological and Environmental		
Select from the following: ¹		3-4
BIO 1114	Plant Diversity and Ecology	
BIO 2217	Wildlife Conservation Biology	
BOT 3326	Plant Ecology	
NR 3310	Global Climate Change	
PSC 2201	Physical Oceanography	
Education and Communication		
Select from the following:		3
COMS 3390	Environmental Communication	
LS 3380	Education Apprenticeship ^{Needs to be taken for 3 units}	
LS 4411	Advanced History/Social Sciences Integration for the K-8 Classroom	
LS 4412	Advanced Arts Integration for the K-8 Classroom	
LS 4413	Advanced Science/Engineering Integration for the K-8 Classroom ^{LS 4412 or LS 4411 or LS 4412 also required in major}	
MSCI 4440	Communicating Ocean Sciences to Informal Audiences	
NR/EIM 3328	Environmental Leadership and Community Engagement	
UNIV/SCM/AG/ISLA 3330	Cal Poly Land: Nature, Technology, and Society	
Capstone		
Select from the following:		3
SCM/NR 3316	Environmental Literacy: An Integrative STEM Approach	
SCM 3360	Selected Environmental Issues of California's Central Coast	
Total Units		12

¹ Units in excess of total will be applied towards major's free electives.

Human Development

Code	Title	Units
REQUIRED COURSES		
Applications to Education and Advocacy		
Select from the following: ¹		3-4
CD 3350	Developmental Science in Education	
CD 3351	Learning in Out-of-School Time	
CD/PSY 3356	Child and Adolescent Mental Health	
CD/PSY 4460	Child Abuse and Neglect	
PSY 3318	Psychology of Aging	
PSY 3320	Health Psychology	
PSY 3325	Introduction to Positive Psychology	
PSY 3350	Teamwork	
PSY 3357	Cognition	
Child Development and Growth		
Select from the following:		4
CD 3304	Infant and Toddler Development	
CD 3305	Early and Middle Childhood Development	
CD/PSY 3306	Adolescence	
PSY/WGQS 3324	Psychology of Gender	
Social Context and Relationships		
Select from the following: ¹		3-4
CD 2254	Child, Family, and Community	
CD/PSY 4417	Interpersonal Relationships in Childhood and Adolescence	
CD 4424	Children's Development in Diverse Cultures	
LS 3350	Identity and Equity in American Schools	
PSY 2205	Personality	
PSY 2240	Biopsychology	
Child Development		
Select any CD course		2
Total Units		12

¹ Units in excess of total will be applied towards major's free electives.

Mathematics

Code	Title	Units
REQUIRED COURSES		
MATH 1261	Calculus I	4
MATH 1262	Calculus II	4
MATH 2031	Transition to Advanced Mathematics	3
Select from the following:		3
MATH 1151	Linear Algebra	
MATH 3011	History of Mathematics	
MATH 3051	Combinatorics I	
MATH 3055	Graph Theory	
MATH 3111	Number Theory	
MATH 3511	Euclidean Geometry	
MATH 3971	Technology in Mathematics Education	
STAT 3710	Teaching Statistics: Pedagogy, Content, Technology, and Assessment	
Total Units		14

English

Code	Title	Units
REQUIRED COURSES		
ENGL 3311	Writing With Style	3
ENGL 3392	Reading Instruction for the Teaching of Young Adult Literature	4
ENGL 3393	Theory and Practice of Tutoring Writing	4
or ENGL 4424	Teaching English Language Arts in Secondary Schools	
Approved Electives		
Select from the following:		3
American Literature		
ENGL 3340	Intermediate U.S. Literature: Beginnings to 1865	
ENGL 3341	U.S. Literature: 1865 to 1914	
ENGL 3342	U.S. Literature: 1914 to 1956	
ENGL 3343	U.S. Literature: 1956 to Present	
ENGL 3345	Women Writers of the Twentieth and Twenty-First Centuries	
ENGL 3346	Multiethnic Literature of the U.S.	
ENGL 3347	African American Literature	
British Literature		
ENGL 3330	British Literature: Beginnings to 1485	
ENGL 3331	British Literature: 1485 to 1660	
ENGL 3332	British Literature: 1660 to 1798	
ENGL 3333	British Literature: 1798 to 1832	
ENGL 3334	British Literature: 1832 to 1914	
ENGL 3335	British Literature: 1914 to Present	
ENGL 3339	Introduction to Shakespeare	
Modern English		
ENGL 3350	The Modern Novel	
ENGL 3351	Modern Poetry	
Total Units		14

Science

Code	Title	Units
REQUIRED COURSES		
Select from the following: ^{1, 2}		7-8
Chemistry		
CHEM 1110	World of Chemistry	
CHEM 1112	Chemistry in Context	
CHEM 1120	Fundamentals of Chemical Structure and Properties	
CHEM 1122	Fundamentals of Chemical Reactivity	
CHEM 2240	Organic Chemistry: Fundamentals and Applications	
Physics		
PHYS 1111	Contemporary Physics for Nonscientists	
PHYS 1121	College Physics I	
PHYS 1123	College Physics II	
PHYS 1141	General Physics I	
Approved Electives		
Select from the following: ^{2, 3}		4-6
ASTR 1101	Introduction to the Solar System	
ASTR 1102	Introduction to Stars and Galaxies	
ASTR 3324	Longitude, Navigation, and Timekeeping	
BIO 1114	Plant Diversity and Ecology	
BIO 2231	Human Anatomy and Physiology I	

BIO 2232	Human Anatomy and Physiology II
BIO 3312	Human Genetics
BIO 3315	Biology of Cancer
BIO 3318	Genetic Engineering Technology
BIO/PSC 4424	Teaching Science in Secondary Schools
BOT 1121	General Botany
BOT 3311	Plants, People and Civilization
BOT 3326	Plant Ecology
CHEM 1120	Fundamentals of Chemical Structure and Properties
CHEM 1122	Fundamentals of Chemical Reactivity
CHEM 2240	Organic Chemistry: Fundamentals and Applications
GEOL 2203	The Geologic Record: Fossils and the History of Life
GEOL 2240	Physical Geology
LS 3305	Project Based Learning in STEM Education
MCRO 2221	Introduction to Microbiology
MCRO 3342	Public Health Microbiology
MCRO 4421	Food Microbiology
MSCI 1111	The Oceans
MSCI 4440	Communicating Ocean Sciences to Informal Audiences
NR 3306	Natural Resource Ecology and Habitat Management
PHYS 1111	Contemporary Physics for Nonscientists
PHYS 1121	College Physics I
PHYS 1123	College Physics II
PHYS 1141	General Physics I
PHYS 3330	Teaching Physics
PSC 2201	Physical Oceanography
PSC 3320	Energy, Society, and the Environment
PSC 3391	Engaging in Sustainable Global Development
SCM/ENGR 3302	The Learn By Doing Lab Teaching Practicum
SCM/NR 3316	Environmental Literacy: An Integrative STEM Approach
SCM 3360	Selected Environmental Issues of California's Central Coast
SCM 3368	Theory and Practice of STEM Tutoring

Total Units
12

¹ A minimum of 3 units in CHEM is required. A two-course sequence in Chemistry fulfills the authorization requirement; a Physics course is not needed if this sequence is completed.

² Courses can only be used once for major degree credit.

³ Units in excess of total will be applied towards major's free electives.

Social Science

Code	Title	Units
REQUIRED COURSES		
California History		
HIST 2208	Survey of California History	3
U.S. Government		
Select from the following:		3
POLS 1112	U.S. and California Government	
POLS 3310	Politics of Race, Class, Gender, and Sexuality in the U.S.	
POLS 3315	The U.S. Presidency	
POLS 3319	U.S. Congress	
POLS 3348	Early U.S. Political Thought	
POLS 3349	Contemporary U.S. Political Thought	
Geography		

GEOG 1150	Human Geography	3
or GEOG 3308	Global Geography	

Ethnic Studies, History, Sociology, Women, Gender & Queer Studies Electives

Select from the following: ¹ 3-4

ES 2253	Introduction to American Indian Studies
ES 2254	Introduction to African American Studies
ES 2255	Introduction to Latina/o/x Studies
ES 2256	Introduction to Asian American Studies
ES 3310	Hip-Hop, Poetics, and Politics
ES 3311	Beyonce: Race, Feminism, and Politics
ES 3312	Race and Media Studies
ES 3350	Gender, Race, Culture, Science, and Technology
ES 3380	Critical Race Theory
ES 3381	Social Constructions of Whiteness
HIST 3307	Modern European Thought and Culture
HIST 3310	East Asian Cultures and Civilizations
HIST 3322	Modern United States History
HIST 3313	Modern Middle East
HIST 3316	Modern East Asia
HIST 3319	A Cultural History of Southeast Asia
HIST 3334	Modern Europe: 1789-1914
HIST 3335	Modern Europe since 1914
HIST 3338	Modern Latin America
LS 3350	Identity and Equity in American Schools
SOC 3315	Global Race and Ethnic Relations

Total Units **12**
¹ Units in excess of total will be applied towards major's free electives.

Teaching English to Speakers of Other Languages

Code	Title	Units
REQUIRED COURSES		
COMS 3316	Intercultural Communication	3
ENGL 2290	Introduction to Linguistics	3
or ENGL 3390	The Linguistic Structure of Modern English	
ENGL 4497	Theories of Language Learning and Teaching	3
ENGL 4498	Approaches to Teaching English to Speakers of Other Languages	3
ENGL 4499	Practicum in Teaching English to Speakers of Other Languages	1
Total Units		13

Individualized Course of Study

Offered at: San Luis Obispo Campus and Cuesta College

With department chair approval, students may select one of the minors listed below or pursue a course of study which meets their individual needs and interests; this must be initiated early and all courses must be pre-approved. An individualized course of study consists of 12-14 units with at least one course at the 3000-4000 (upper-division) level. Courses are selected by the student in consultation with an advising faculty member. The list of courses is a contract between the student and the Department.

General Education (GE) Requirements

- 43 units required, 19 of which are specified in Major and/or Support.
- If any of the remaining 24 Units is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.
- See the complete GE course listing (<https://catalog.calpoly.edu/academic-standards-policies/general-requirements-bachelors-degree/#generaleducationtext>).

- A grade of C- or better is required in one course in each of the following GE Areas: 1A (English Composition), 1B (Critical Thinking), 1C (Oral Communication), and 2 (Mathematics and Quantitative Reasoning).

Lower-Division General Education

Area 1			English Communication and Critical Thinking
1A	Written Communication	3	
1B	Critical Thinking	3	
1C	Oral Communication	3	
Area 2			Mathematics and Quantitative Reasoning
2	Mathematics and Quantitative Reasoning (3 units in Support) ¹	0	
Area 3			Arts and Humanities
3A	Arts (3 units in Major) ¹	0	
3B	Humanities: Literature, Philosophy, Languages other than English (3 units in Major) ¹	0	
Area 4			Social and Behavioral Sciences (Area 4 courses must come from at least two different course prefixes.)
4A	American Institutions (Title 5, Section 40404 Requirement) (3 units in Support) ¹	0	
4B	Social and Behavioral Sciences (3 units in Support) ¹	0	
Area 5			Physical and Life Sciences
5A	Physical Sciences (3 units in Support) ¹	0	
5B	Life Sciences ²	3	
5C	Laboratory (may be embedded in a 5A or 5B course) (1 units in Support) ¹	0	
Area 6			Ethnic Studies
6	Ethnic Studies	3	

Upper-Division General Education

Upper-Division 2/5	Mathematics and Quantitative Reasoning or Physical and Life Sciences	3
Upper-Division 3	Arts and Humanities	3
Upper-Division 4	Social and Behavioral Sciences (Area 4 courses must come from at least two different course prefixes.)	3

Total Units	24
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¹ Required in Major or Support; also satisfies General Education (GE) requirement.

² BIO 1111 is recommended to prepare you for BIO 3210, however those pursuing the science concentration should consider BOT 1121.