College of Education

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J. Sue Fletcher, Ed.D., Chair, Department of Physical Education and Health
Dawn Poole, Ph.D., Chair, Department of Advanced Studies in Education
Nancy Jean Smith, Ed.D., Chair, Department of Teacher Education
Kathy Shipley, MA, Chair, Department of Liberal Studies
Mary Borba, Ed.D., Coordinator, Multiple Subject Credential
Christopher Roe, Ed.D., Coordinator, Multiple Subject Credential, Stockton Center
Juan Flores, Ed.D., Coordinator, Multiple Subject Bilingual Credential, BCLAD Certificate, and CLAD/CTEL Certificate
Karen Sniezek, Ph.D., Coordinator, Education Specialist: Mild/Moderate Disabilities and Moderate/Severe Disabilities Credentials
Karen Breshears, M.A., and Robin Hennings, M.A., Coordinators, Single Subject Credential and Single Subject Bilingual Credential
Alice Fuentes, B.A., Director of Credentials Processing
Susan Neufeld, Ph.D., Coordinator, Reading/Language Arts Specialist Credential
Chet Jensen, Ed.D., Coordinator, Administrative Services Credentials
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Office: Demergasso-Bava Hall — DBH 301
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The College of Education has as its mission the professional preparation of teachers and school service professionals. Specifically, the College prepares elementary, middle, and secondary-level teachers and school administrators, counselors, reading/language arts specialists, instructional technologists, special educators, and physical and health educators. Faculty are committed to meeting the rightful expectation of the public regarding the education of effective and dedicated educators who exhibit competence, reflection, and a professional passion manifested in their advocacy for children and their communities.

The College offers both initial and advanced credential and certificate programs that are approved by the California Commission on Teacher Credentialing (CCTC).
Minor in Exceptional Children and Youth

Karen Sniezek, Ph.D., Program Coordinator
Office: Demergasso-Bava Hall — DBH 349
Phone: (209) 667-6519

Requirements (21 units)
1. Complete the following required classes (18 units):
   - PSYC 2010 Introduction to Psychology, 3 units
   - PSYC/CDEV 3140 Human Development I: Childhood, 3 units
   - EDSE 4310 Introduction to Special Education Programs, 3 units*
   - EDSE 4330 Communication and Social Skills for Students with Disabilities, 3 units*
   - COMM 4800 First and Second Language Acquisition, 3 units or
     ENGL 4800 Second Language Acquisition, 3 units
   - EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units or
     EDSE/PSYC 4560 Theory of Instructional Design, 3 units
   *See Graduate Catalog.
2. Select one of the following elective classes to complete the minor (3 units):
   - PSYC 4130 Psychological Disorders of Children, 3 units
   - PSYC 4150 Learning Disabilities, 3 units
   - EDSE/PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units

Department of Liberal Studies

Kathy Shipley, M.A., Chair
Assistant Professor: Davis
Lecturers: Brace, Gonzales, Graybill-Bundgard, Kerr, Shipley
Office: Bizzini Hall 125
Phone: (209) 667-3749

Bachelor of Arts in Liberal Studies

Liberal Studies is a pre-professional Subject Matter Preparation Program leading to enrollment in a Multiple Subject Credential Program (MSCP).

Liberal Studies majors may be admitted to the credential program prior to completing their bachelor degrees. Units in the credential program can be applied as upper-division elective credit toward satisfying the 120-unit requirement for graduation.

Note: Please check with the Department of Liberal Studies for current information. The University will make changes to the program leading to the credential whenever revisions are required by the California Commission on Teacher Credentialing (CCTC).
Coordinating with the Multiple Subject Credential Program

At this time, Liberal Studies is the only major at CSU Stanislaus offering an approved Subject Matter Preparation Program leading to a Multiple Subject Credential Program (MSCP). Students who do not complete the Liberal Studies major will be required to take and pass the CSET for entry into the MSCP. Liberal Studies majors who enter the MSCP without the California Subject Examination for Teachers: Multiple Subjects (CSET) must pass CSET as a condition of advancement to student teaching.

Currently, admission to the CSU Stanislaus MSCP requires either a 2.67 overall grade point average or a 2.75 grade point average in the last 60 units. Additional details and information pertaining to entrance into the credential program is available in the College of Education section of the Graduate catalog, and at the Teacher Education Department office. Students should consult with the MSCP Coordinator for changes in the precise requirements for admission to the credential program.

Bachelor of Arts in Liberal Studies

Students who entered under the 2002-2003 catalog or later must complete the curriculum listed below. It differs from that found in catalogs of previous years.

Requirements

1. General Education
   Complete the General Education Breadth Requirements (GE) for the Bachelor of Arts degree (51 units minimum) and a minimum of 120 semester units for graduation. Grades of a C–, credit, or better are required.

2. Subject Matter Preparation Program Requirements
   The California Commission on Teacher Credentialing requires Liberal Studies majors to complete an approved course in each of the following subjects with a grade of C–, credit, or better. Requirements may be met in GE, in the major, or in additional coursework. Review the Liberal Studies Advising and Articulation Guides for approved courses. Guides are available in the Department and on the Department website.

Subject Matter Requirements include:
- Oral Communication
- Composition
- Critical Thinking
- Introduction to Earth Science (including Astronomy)
- Chemistry
- Physics
- Physical Science Lab
- Biological Science
- Biological Science Lab
- MATH 1030
- MATH 1040
- Art
- Music
- Theatre

3. Pre/co-requisites to the Major (9 units):
   - LIBS 1000/1004 Beginning Field Experience, 3 units or LIBS 1010/1014 Beginning Field Experience Examination, 3 units
   - Human Development, 3 units
     - NURS 1040 Human Development Over the Life Span, 3 units or PSYC/CDEV 3140 Human Development I: Childhood, 3 units

The Major (28 units excluding concentration)

Major and concentration courses require letter grades of C– or better.

1. Development and Assessment
   Complete all of the following required courses:
   - LIBS 3000 Community and Diversity (WP), 4 units
   - PHED 3400 Elementary Physical Education, 3 units
   - LIBS 4960 Senior Seminar, 3 units

2. Second Language Acquisition (3 units)
   Complete one of the following:
   - ENGL 4800 Second Language Acquisition, 3 units, or COMM 4800 First and Second Language Acquisition, 3 units
   (Credit will not be given for both ENGL 4800 and COMM 4800 in the LIBS Major.)

3. Multicultural Perspectives (3 units)
   Complete one of the following required courses:
   - COMM 4160 Intercultural Communication, 3 units
   - ENGL 3940 Multicultural American Literature, 3 units
   - ETHS 4200 The Minority Experience, 3 units
   - GEND 4100 Gender and Education, 3 units
   - ETHS/GEND 4350 Multiculturalism: From Bias to Reality, 3 units
   - HIST 3720 United States Ethnic and Immigrant Past, 3 units
   - PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
   - SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units
   - SOCL 4010 Race and Ethnic Relations, 3 units

4. Integrative Inquiry (12 units)
   Complete one inquiry course in each of these subject matter areas:
   - Area A: Social Inquiry (3 units)
     - ANTH 3020 Travelers in Time: Perspectives of the Past on the Present, 3 units
     - CDEV 3030 Cognitive Development in School Settings, 3 units
     - CJ 3800 Crime Prevention and Schools, 3 units
ECON 4700 Contemporary Economic Issues, 3 units
ECON 4750 The California Economy, 3 units
ETHS 4040 Minority Family, Communities, and Schools, 3 units
ETHS 4250 California Ethnic Experience, 3 units
GEOG 3350 Geography of the Great Central Valley, 3 units
HIST 4010 Practicing Public History, 3 units
HIST 4720 Modern Atlantic Slavery, 3 units
SOC 3700 Sociology of Education, 3 units

Area B: Scientific/Mathematical Inquiry (3 units)
BIOL 4020 Biology for Decision Making, 3 units
BIOL 4610 Elements of Environmental Science, 3 units
CHEM 3090 Chemistry in the Elementary School Classroom, 3 units
GEOG 3560 Geohazards: The Geological Science of Natural Disasters, 3 units
MATH 3040 Insights from Mathematics, 3 units
PHYS 3200 Heat, Light, and Sound, 3 units

Area C: Humanistic Inquiry (3 units)
COMM 3400 Oral Interpretation of Children’s Literature, 3 units
COMM 4020 Communication in the Classroom, 3 units
ENGL 3009 Writing for Teachers (WP), 3 units
PHIL 3700 Concepts of Race and Identity in Philosophical Perspective, 3 units
PHIL 3750 Concepts of Home in Philosophical Perspective, 3 units
PHIL 3850 Information and Community, 3 units
PHIL 4420 Philosophy and Education, 3 units
PHIL 4800 Nature Revisited: Environmental Issues on Philosophical Perspective, 3 units

Area D: Artistic Inquiry (3 units)
ART 3030 Intermediate Drawing, 3 units
ART 3820 A Visual Approach to Learning and Teaching, 3 units
ART 3830 Visual Art and Ecology, 3 units
ART 3841 Universal Concepts in Art, 3 units
ART 3842 Children’s Art and Modernism, 3 units
ART 4870 World Crafts, 3 units
MUS 3341 Music for the Classroom Teacher, 3 units
MUS 3420 Music and the Arts, 3 units
THEA 4020 Performance for Children, 4 units

5. Concentration (18-22 units)
A concentration is required. Twelve of the 18-22 units must be upper-division and approved by a concentration adviser. While concentration units may cross count with lower-division General Education and the Liberal Studies major, no concentration units may cross count with upper-division General Education. Twelve units may not cross count with lower-division General Education or major courses. Concentration courses require letter grades of C- or better.

Approved Concentrations:
Anthropology
Applied Philosophy
Art

Learning Objectives
Liberal Studies graduates:
- Make explicit connections between California K-8 Content Standards and Subject Matter knowledge in Liberal Studies major coursework.
- Demonstrate integrative thinking through the development of projects that connect and integrate discipline knowledge across subject matter areas.
- Demonstrate integrative thinking through the development of projects that connect and integrate discipline knowledge across subject matter areas.
- Demonstrate sensitivity to the diverse cultural, linguistic, and learning abilities of students, and understanding of a variety of teaching strategies to effectively teach all learners.
- Demonstrate effective oral, written, and interpersonal communication skills in a variety of communication contexts.
- Demonstrate critical thinking in analysis and evaluation of research topics relevant to teaching and learning in California public schools.
- Demonstrate educational technologies relevant to teaching and learning.

Course Descriptions

Lower Division

LIBS 1000 Beginning Field Experience (3 units)
Introduction to the Liberal Studies major, the credential program, and the teaching profession. Course requirements include 30 hours of tutoring in an elementary school setting. Fingerprint clearance from Public Safety office on campus and tuberculosis clearance must be completed before the first week of the semester to insure timely placement for field experience. Placements may be limited or unavailable for students with felony convictions. Corequisite: LIBS 1004.
LIBS 1010 Beginning Field Experience Examination (3 units)
Open to Liberal Studies majors with extensive past work in California public schools and with proof of current paid or unpaid placements in K-6 public school classrooms containing 25% or more language diversity. Allows students to fulfill the Liberal Studies major prerequisite, Beginning Field Experience, without university classroom participation. The Liberal Studies Department provides a syllabus and assignments, but no other instruction or support for this course. Corequisite: LIBS 1014. Prerequisite: Consent of instructor.

LIBS 2000 Intermediate Field Experience (3 units)
Students observe K-8 classroom environments and analyze observations in discussions and writing, noting student characteristics, teaching styles, and classroom management techniques. This observation-based analysis increases awareness and teaching effectiveness. Fingerprint clearance from Public Safety office on campus and tuberculosis clearance must be completed before the first week of the semester to ensure timely placement for field experience. Placements may be limited or unavailable for students with felony convictions. Corequisite: LIBS 2004. Prerequisite: LIBS 1000

LIBS 2010 Intermediate Field Experience Examination (3 units)
Open to Liberal Studies majors with proof of current paid or unpaid placements in K-8 public school classrooms with 25% or more language diversity. Students with such placements may fulfill the Liberal Studies major prerequisite, Intermediate Field Experience, without university classroom participation. Students complete observation logs, assigned papers, personal graduation plan, and portfolio assignments on their own without direct instruction. The Liberal Studies Department provides a syllabus, but no other instruction or support for this class. Corequisite: LIBS 2014. Prerequisite: Consent of instructor.

LIBS 2500 Liberal Studies Portfolio Workshop (1 unit)
Course for Liberal Studies majors seeking guidance in the development of their required personal portfolios. Focus on subject matter competency, California K-8 Content Standards, Service Learning tutoring and observations in K-6 classrooms, technology, diversity, integrated learning, California Teacher Performance Expectations, individual education plans, and development as a professional educator. May be repeated for a total of 2 units. May be taken concurrently with LIBS 3000.

Upper Division

LIBS 3000 Community and Diversity (WP) (4 units)
Introduction to the Liberal Studies major and the University. Focus is on multiculturalism and diversity, including perspectives on cultural/linguistic differences, gender roles, and the differently abled. Course requirements include 30 hours of classroom observation. Fingerprint clearance from Public Safety office on campus and tuberculosis clearance must be completed before the first week of the semester to insure timely placement for field experience. Placements may be limited or unavailable for students with felony convictions. Satisfies upper division writing proficiency requirement. Prerequisite: Completion of Writing Proficiency Screening Test with a passing score. Open only to Liberal Studies majors.

LIBS 4910 Cooperative Education (2-4 units)
Provides an opportunity for Liberal Studies students to acquire experience as research or instruction assistants or community project volunteers, under the supervision of a Liberal Studies coordinator. May be repeated for a total of 8 units. Prerequisites: Sophomore standing and consent of instructor.

LIBS 4920 Liberal Studies Deans’ Team (2 units)
Exploration of the elements of effective communication and classroom management with individuals of diverse backgrounds. Students will learn and practice effective verbal and non-verbal communication and active listening while facilitating weekly small group discussions of LIBS 1000 students. Students are required to attend training and debriefing sessions and LIBS 1004 class sessions. May be repeated for a total of 8 units. Corequisite: LIBS 4923. Prerequisites: Sophomore standing and consent of instructor.

LIBS 4930 Liberal Studies Peer Advising (2 units)
Exploration of the elements of effective communication with individuals of diverse backgrounds. Students will learn and practice effective verbal and non-verbal communication and active listening while exploring university policies, expectations, regulations, general education and liberal studies program requirements. May be repeated for a total of 8 units. Corequisite: LIBS 4933. Prerequisites: Sophomore standing and consent of instructor.

LIBS 4940 Liberal Studies Internship (2-4 units)
Provides the Liberal Studies students the opportunity to apply, integrate, and explore educational experiences as interns in public or private settings. Participation in regularly scheduled meetings with department coordinator and completion of internship packets are required. May be repeated for a total of 8 units. Prerequisites: Upper-division standing and consent of department coordinator.

LIBS 4945 Liberal Studies Peer Advising Internship (2-4 units)
Provides opportunities for Liberal Studies majors to acquire supervised peer experiences in on-and off-campus settings. Participation in regularly scheduled meetings and written assignments required.

LIBS 4960 Senior Seminar (3 units)
A summative assessment course in which students reflect on the nature and extent of their liberal arts education and defend their subject matter competence. Students are required to demonstrate their abilities to integrate studies across disciplines and their competencies within those disciplines. This course is intended for the final semester of the Liberal Studies major. Prerequisite: Successful completion of LIBS 3000.

LIBS 4980 Individual Study (1-4 units)
For students capable of independent work and in need of advanced and specialized study. Designed to supplement regular course offerings. May be repeated for a total of six units. Prerequisite: Consent of instructor.
Liberal Studies Concentration in Anthropology

Requirements (21 units)
1. Complete ANTH 2060 Introduction to Cultural Anthropology, 3 units
2. Complete one of the following (3 units):
   ANTH 2080 Introduction to Physical Anthropology, 3 units or
   ANTH 2090 Introduction to Archaeology, 3 units
3. Complete ANTH 3020 Travelers in Time: Perspectives of the Past on the Present (Integrative Inquiry Course, 3 units)
4. Complete three of the following courses (9 units):
   ANTH 3070 Peoples and Cultures of Africa, 3 units
   ANTH 3105 Peoples and Cultures of the Pacific, 3 units
   ANTH 3106 Peoples and Cultures of Asia, 3 units
   ANTH 3301 Native Americans of Canada and the U.S., 3 units
   ANTH 3320 Native Peoples of Latin America, 3 units
   ANTH 3555 Aztecs, Mayas, and Predecessors, 3 units
   ANTH 3600 Method and Theory in Archeology, 3 units
   ANTH 3750 Human Evolution, 3 units
   ANTH 3760 Primates Past and Present, 3 units
   ANTH 3780 Primate Social Behavior, 3 units
5. Complete one of the following courses (3-5 units):
   ANTH 4150 Anthropology of Religion, 4 units
   ANTH 4165 The Family in Cross-Cultural Perspective, 3 units
   ANTH 4200 Applied Anthropology and Social Change, 4 units
   ANTH 4210 Ethnomedical Anthropology, 3 units
   ANTH 4211 The World in Change, 3 units
   ANTH 4221 Folk Literature and Arts (WP), 3 units
   ANTH 4250 The Ethnecology of Southeast Asia, 4 units
   ANTH 4321 Historical Archaeology, 5 units
   ANTH 4605 Archaeological Field Methods, 5 units

Liberal Studies Concentration in Applied Philosophy

This program is designed for Liberal Studies students who want to encourage critical thinking and philosophical inquiry in the elementary school classroom. Students in this concentration learn to apply philosophical inquiry to the study and analysis of philosophical texts and arguments. Students in this concentration also develop skills of ethical analysis and value inquiry, and learn to apply physiological thinking and humanistic inquiry to socially relevant issues concerning “self” and “context” with special emphasis on aspects relevant to the elementary classroom.

Most importantly, “applied philosophy” students are encouraged to learn effective ways of bringing philosophical curiosity and critical thinking to life in elementary classroom setting. Students in our program also learn how to develop methods of philosophical inquiry tailored to the receptive capacities of their audience. The skills, knowledge, and practices of applied philosophical inquiry help to enrich the teaching and learning environment of elementary school classrooms.
Liberal Studies Concentration in Art

Requirements (21 units)
1. Select two courses (for a total of 6 units) from the following lower-division courses:
   ART 1010 Foundation Drawing, 3 units
   ART 1020 Drawing II: Composition, 3 units
   ART 1030 Foundation Printmaking (Option A), 3 units or
   ART 1035 Foundation Printmaking (Option B), 3 units
   ART 1040 Foundation Digital Media, 3 units
   ART 1100 Foundation Painting, 3 units
   ART 1200 Foundation Sculpture, 3 units
2. Select 3-6 units from the following Liberal Studies Artistic Inquiry courses:
   ART 3030 Intermediate Drawing, 3 units
   ART 3820 A Visual Approach to Learning and Teaching, 3 units
   ART 3830 Visual Art and Ecology, 3 units
   ART 3840 The Missions of California, 3 units
   ART 3841 Universal Concepts in Art, 3 units
   ART 3842 Children’s Art and Modernism, 3 units
   ART 4870 World Crafts, 3 units
3. Select 9-12 units from the following list of ART electives (upper-division prerequisites are waived for Liberal Studies students).
   **Drawing:**
   ART 3010 Drawing the Human Figure from Memory, 3 units
   ART 3020 Drawing: Original Form, 3 units
   **Painting:**
   ART 3200 Painting from Observation I, 3 units
   ART 3210 Painting from the Unconscious I, 3 units
   **Printmaking:**
   ART 3100 Relief Printmaking, 3 units
   ART 3110 Intaglio, 3 units
   ART 3130 Serigraphy, 4 units
   **Sculpture:**
   ART 3300 Multimedia: Assemblages and Construction, 3 units
   ART 3350 Ceramic Sculpture, 3 units
   **Time Based Art:**
   ART 3600 Still Image, 3 units
   ART 3620 Moving Image-Video and Filmmaking, 3 units
   ART 3700 Computer Art, 3 units
   **Graphic Arts:**
   ART 3530 Illustration, 3 units
   ART 3605 Text and Image, 3 units
   **Art History:**
   ART 4515 Art of the Classical World, 3 units
   ART 4520 Art of the Medieval World, 3 units
   ART 4525 Italian Renaissance Art, 3 units
   ART 4535 Art of the Baroque Age, 3 units
   ART 4540 Early Modern Art, 1800-1870, 3 units
   ART 4555 American Art, 3 units

The Bilingual/Crosscultural: Southeast Asian

Requirements (21-22 units)
1. Satisfactory completion of Hmong language coursework through HMNG 3020. Students may begin the language courses at whatever level is appropriate. At this time, only Hmong languages through HMNG 3020 are available. When other Southeast Asian language courses through HMNG 3020 are offered, they will become a part of the Southeast Asian Emphasis curriculum. Students who do not need Hmong coursework to prepare for the BCLAD language test requirement may wish to enroll in Ethnic Studies or TESOL (concentrations without an extensive language component) rather than in Bilingual/Crosscultural. Students are required to pass one of the Southeast Asian Language Proficiency Exams (Hmong, Lao, or Cambodian). The test can be taken prior to or upon admittance to the credential program.
2. Cultural Component
   Complete the following (9 units):
   ETHS 2200 Contemporary Asian American Studies, 3 units
   ETHS 3100 Asian American Images in Arts and Media, 3 units
   ANTH 3106 Peoples and Cultures of Asia, 3 units
3. Social Inquiry Course
   Complete the following (3 units):
   EDUC 4300 Teaching the Cultural Heritage of the Hmong and Lao People, 3 units, or
   ETHS 4030 Asian American Families, 3 units
4. Crosscultural Component
   Complete the following (3 units):
   ETHS 4200 The Minority Experience, 3 units or
   EDUC 4430 Crosscultural Techniques for Teachers: Language and Sociocultural Issues in School Settings, 3 units
5. Electives
   Complete two courses from the following (6-7 units):
   COMM 4800 First and Second Language Acquisition, 3 units or
   ENGL 4800 Second Language Acquisition, 3 units
   ETHS 4940 Field Work in Ethnic Studies (Southeast Asian), 3 units
   GEOG 3580 Culture Ecology of Southeast Asian Peoples, 4 units
Liberal Studies Concentration in
Bilingual/Crosscultural: Spanish

The Bilingual/Crosscultural: Spanish concentration provides the knowledge base for students who are planning to pursue bilingual/crosscultural credentials to teach in elementary schools. It is also designed to give graduates the language teaching skills, language proficiency, and cultural background to teach English Language Learning (ELL) students. Emphasis is on addressing the needs of an increasingly international student population in our schools.

Requirements (21 units minimum)

1. Language Component – Complete the following (3 units)
   - Satisfactory completion of Spanish language course work up to SPAN 3020. Students may begin the language courses at whatever level is appropriate. Students who pass the Bilingual Spanish Language Assessment may take an additional elective in sections 3 or 4 instead of SPAN 3020.

2. Cultural Component Complete 6 units from sections a and b in the following:
   a. ETHS 2100 Contemporary Chicano Studies, 3 units or
      ETHS 3110 Looking for America: Chicano Images in Arts and Film, 3 units
   b. ETHS 4000 The Mexican American Family, 3 units
      (Designated Equivalent Integrative Course)

3. Crosscultural Component
   Complete 6 units from the following:
   - ETHS 4200 The Minority Experience, 3 units
   - ETHS 4040 Minority Family, Communities, and Schools, 3 units
   - ETHS 4350 Multiculturalism: From Bias to Reality, 3 units

4. Bilingual/Bicultural Component
   Complete 6 units from the following:
   - EDUC 4430 Crosscultural Techniques for Teachers, 3 units
   - EDUC 4460 Cultural Views on Bilingualism (Perspectivas culturales tocante al bilingüismo), 3 units
   - ETHS 4100 Chicanos in Education, 3 units

LIBS Scientific/Mathematical Inquiry (3 units):
- BIOL 4020 Biology for Decision Making, 3 units
- BIOL 4610 Elements of Environmental Science, 3 units, or
  Equivalent Scientific/Mathematical Inquiry Integrative course. If a course other than the BIOL courses listed above is taken to satisfy the integrative inquiry requirement, then three more units of Biological Sciences electives must be taken.

4. Electives (6-9 units):
   - BIOL 3000 Frontiers in Biology, 3 units
   - BIOL 3020 Introduction to Evolution, 3 units
   - BIOL 3100 Biological Illustration, 3 units
   - BIOL 4050 Ecosystem Case Studies, 3 units
   - BIOL 4200 Ecological Agriculture, 3 units
   - BIOL 4940 Internship in Biology, 2-4 units
   - BOTY 3000 Principles of Plant Propagation, 3 units
   - BOTY 3050 Plants, Agriculture, and Humans, 4 units
   - NSCI 3000 Science for Self-Sufficiency, 3 units
   - ZOOL 3660 Bird Watching in Central California, 3 units, or
   Other acceptable Biological Sciences course as approved by concentration adviser.

*Twelve units of the concentration may not cross-count with upper-division GE or the Liberal Studies major.

Liberal Studies Concentration in
Biological Sciences

Students interested in teaching at the elementary school level with an emphasis on biology should complete the Liberal Studies concentration in Biology.

Requirements (20 units from the following areas)*

1. General Biology (7 units):
   - BOTY 1050 Introduction to Botany, 4 units, or
   - ZOOL 1050 Introduction to Zoology, 4 units
   - BIOL 2310 Human Genetics, 3 units, or
   - BIOL 2650 Environmental Biology, 3 units
   (Any of the above courses may be used to satisfy G.E. area B.2.)

2. Biological Diversity (4 units) select from the following:
   - BOTY 3130 Morphology of Plants, Algae, and Fungi, 4 units
   - BOTY 3700 Flowering Plants, 4 units
   - ENTO 3000 Principles of Entomology, 4 units
   - ZOOL 3610 General Vertebrate Zoology, 4 units
   - ZOOL 4420 Invertebrate Zoology I, 4 units
   - ZOOL 4430 Invertebrate Zoology II, 4 units or
   Other acceptable course as indicated by an asterisk (*) in the Biological Sciences course description section of the catalog.

3. Electives (6-9 units):
   - BIOL 3000 Frontiers in Biology, 3 units
   - BIOL 3020 Introduction to Evolution, 3 units
   - BIOL 3100 Biological Illustration, 3 units
   - BIOL 4050 Ecosystem Case Studies, 3 units
   - BIOL 4200 Ecological Agriculture, 3 units
   - BIOL 4940 Internship in Biology, 2-4 units
   - BOTY 3000 Principles of Plant Propagation, 3 units
   - BOTY 3050 Plants, Agriculture, and Humans, 4 units
   - NSCI 3000 Science for Self-Sufficiency, 3 units
   - ZOOL 3660 Bird Watching in Central California, 3 units, or
   Other acceptable Biological Sciences course as approved by concentration adviser.
Liberal Studies Concentration in Chemistry

Requirements (20 units)
Complete the following courses with a GPA of 2.0 or higher for a concentration in Chemistry within the Liberal Studies degree:
1. CHEM 1110 Principles of Chemistry II, 5 units (with a prerequisite of CHEM 1100 or equivalent)
2. Scientific/Mathematical Integrative Inquiry (3 units)
   One course from the following:
   - BIOL 4020 Biology for Decision Making (3 units)
   - BIOL 4610 Elements of Environmental Science (3 units)
   - GEOL 3650 Geohazards: The Geological Science of Natural Disasters (3 units)
   - MATH 3040 Insights from Mathematics (3 units)
   - PHYS 3200 Heat, Light, and Sound (3 units) or equivalent course (3 units)
3. CHEM 3010, 3020 Organic Chemistry I, II (6 units)
4. CHEM 3012, 3022 Organic Chemistry Laboratory I, II (2 units)
5. Upper-division electives in chemistry (4 units) from the following:
   - CHEM 4300 Advanced Organic Chemistry (3 units)
   - CHEM 4400 Biochemistry I (3 units)
   - CHEM 4402 Biochemistry Laboratory I (1 unit)
   - CHEM 4980 Individual Study (1-4 units)

Liberal Studies Concentration in Child Development

Requirements/Recommendations
1. Upon advisement, community college transfer students with an Associate of Arts degree in Child Development or Early Childhood Education (ECE) may waive CDEV 3140 and complete the remaining required coursework, plus additional coursework, for a total of 22 units, 17 upper-division.
2. Community college coursework in Child Development or Early Childhood Education may apply toward 5 units non-upper-division electives within the Child Development concentration.
3. Community college transfer students without an Associate of Arts in Child Development or ECE must complete course requirements as outlined above for a total of not less than 22 units, with no more than 5 lower-division units.
4. Students with Child Development concentrations must take all courses counted toward the concentration for a letter grade if the letter-grade option is available. In addition, no more than 3 units of credit-graded coursework may apply toward the concentration.
5. All students must take at least one non-research Child Development laboratory course in residence at CSU Stanislaus. All students must complete CDEV 3010, Child Abuse and Neglect, prior to enrollment in the following lab courses: CDEV 3020, 3181, 3320, 3440, 3550, 4180, and 4190, or CDEV 4280.

6. Internships and fieldwork courses may be repeated once each for credit toward the concentration. In addition, a maximum of 3 units of combined coursework in fieldwork and internships may be counted toward the concentration with approval by the major adviser.
7. Students obtaining academic competency prior to the credential program must earn grades of C or better in all classes within the concentration.

Concentration (22 units)
1. Complete the following upper-division core (16 units):
   a. Complete all of the following courses:
      - CDEV 3010 Child Abuse and Neglect, 1 unit
      - CDEV 3140 Human Development I: Childhood, 3 units
      - CDEV 3170 Early Cognitive Development, 3 units
      - CDEV 3180 Early Social and Emotional Development, 3 units
   b. Select one of the following Application courses:
      - CDEV 3020 & 3022 Child Guidance and Management, 3 units, or
      - CDEV 3181 & 3182 Early Childhood Development, 3 units, or
      - CDEV 3320 Infant Development and Group Care, 3 units or
      - CDEV 3440 Developmental Assessment, 3 units or
      - CDEV 3550 Early Intervention with High-Risk Children, 4 units or
      - CDEV 4180 Developmental Programs for Preschool Children, 3 units and
      - CDEV 4190 Developmental Programs Laboratory, 1 unit
      - CDEV 4280 Developmental of Social Cognition, 3 units
   c. Select one of the following Family courses:
      - ANTH 4165 The Family in Cross-Culture Perspective, 3 units, or
      - ETHS 4000 The Mexican American Family, 3 units, or
      - ETHS 4010 The African American Family, 3 units, or
      - ETHS 4030 Asian American Families, 3 units, or
      - SOCL 3150 The Family, 3 units

Electives
2. Select 6 units of electives from the following courses (3 units must come from section a). Electives may not be cross counted for the courses required within the concentration core.
   a. Select 3 units from the following Liberal Studies major and/or Inquiry courses (the following inquiry courses have been designated for the Child Development Concentration only):
      - CDEV 3030 Cognitive Development in School Settings, 3 units
      - MUS 3341 Music for the Classroom Teacher, 3 units
      - GEOL 3650 Geohazards: The Geological Science of Natural Disasters (3 units)
      - PHYS 3200 Heat, Light, and Sound (3 units)
      - PHYS 3440 Developmental Assessment, 3 units
      - CDEV 3550 Early Intervention with High-Risk Children, 4 units
      - CDEV 4180 Developmental Programs for Preschool Children, 3 units
      - CDEV 4190 Developmental Programs Laboratory, 1 unit
      - CDEV 4280 Developmental of Social Cognition, 3 units
   b. Select 3 units from the following elective courses:
      - ANTH 4165 The Family in Cross-Culture Perspective, 3 units
      - CDEV 3020 Child Guidance and Management, 3 units
      - CDEV 3140 Human Development I: Childhood, 3 units
      - CDEV 3170 Early Cognitive Development, 3 units
      - CDEV 3180 Early Social and Emotional Development, 3 units
      - CDEV 3320 Infant Development and Group Care, 3 units
      - CDEV 3440 Developmental Assessment, 3 units
      - CDEV 3550 Early Intervention with High-Risk Children, 4 units
      - CDEV 4180 Developmental Programs for Preschool Children, 3 units
      - CDEV 4190 Developmental Programs Laboratory, 1 unit
      - CDEV 4280 Developmental of Social Cognition, 3 units
      - ANTH 4165 The Family in Cross-Culture Perspective, 3 units
      - CDEV 3020 Child Guidance and Management, 3 units
      - CDEV 3140 Human Development I: Childhood, 3 units
      - CDEV 3170 Early Cognitive Development, 3 units
      - CDEV 3180 Early Social and Emotional Development, 3 units
      - CDEV 3320 Infant Development and Group Care, 3 units
      - CDEV 3440 Developmental Assessment, 3 units
      - CDEV 3550 Early Intervention with High-Risk Children, 4 units
CDEV 3440 Developmental Assessment, 3 units
CDEV 4000 Child Development Research Methods, 3 units
CDEV 4180 Developmental Programs for Preschool Children, 3 units, and
CDEV 4190 Developmental Programs Laboratory, 1 unit
CDEV 4940 Field Work in Child Development, 1-2 units (must be approved by adviser)
CDEV 4945 Internship at Child Development Center as Instructional Aide, 1 unit
CDEV 4946 Internship at Child Development Center as Head Teacher, 2 units
CDEV 4947 Internship at Child Development Center as Assistant Administrator, 2 units
CDEV 4950 Selected Topics in Child Development, 1-5 units
CDEV 4960 Organization and Administration of Early Childhood Education Programs, 4 units
CDEV 4980 Individual Study, 1-4 units
CDEV 4990 Senior Honors Thesis, 3 units
COMM 3400 Oral Interpretation of Children's Literature, 3 units
ENGL 4620 Children's Literature, 3 units
ETHS 4000 The Mexican American Family, 3 units
ETHS 4010 The African American Family, 3 units
ETHS 4030 Asian American Families, 3 units
MUS 3340 Music in Elementary School, 3 units
MUS 3341 Music for the Classroom Teacher, 3 units
PHED 3400 Elementary Physical Education, 3 units
PSYC 3700 Introduction to Learning and Motivation, 3 units
PSYC 4110 Behavior Genetics, 3 units
PSYC 4120 Human Development Research Seminar (WP), 3 units
PSYC 4130 Psychological Disorders of Children, 3 units
PSYC 4150 Learning Disabilities, 3 units
SOCL 3150 The Family, 3 units
SOCL 3160 Sociology of Youth, 3 units
THEA 3020 Children's Theatre, 3 units
THEA 4020 Performance for Children, 4 units

Liberal Studies Concentration in Civics

The Liberal Studies Concentration in Civics is designed to prepare future teachers with a knowledge of United States political institutions, political culture and processes needed to meet the civics requirements of students K-12.

Requirements (21 units)
In consultation with an adviser, complete at least 21 units as follows:
1. One of the following introductory, lower division courses (3 units):
   - PSCI 2000 Introduction to Political Science, 3 units, or
   - PSCI 2030 Global Politics, 3 units
2. Two of the following courses on government, issues, and political structure (6-7 units):
   - PSCI 3210 Legislative Process, 3 units
   - PSCI 3220 Constitutional Law, 4 units
   - PSCI 3225 Civil Liberties, 4 units
   - PSCI 3320 Executive Legislative Relations, 3 units
   - PSCI 3330 California Politics, 3 units
   - PSCI 4230 The Presidency, 3 units
   - PSCI 4330 Urban Politics, 4 units
3. One of the following courses on political thought (3-4 units):
   - PSCI 3030 American Political Thought, 3 units
   - PSCI 4050 Political Ideologies, 4 units
4. One of the following on multicultural issues and perspective (3-4 units):
   - PSCI 3700 Ethnic and Gender Politics, 4 units
   - PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
   - PSCI 4305 Gender Politics at Work, 3 units
5. One of the following courses on cross-national politics and perspectives (3-4 units):
   - PSCI 3400 Introduction to Comparative Politics, 3 units
   - PSCI 3410 Comparative Politics: Latin America, 4 units
   - PSCI 3430 Comparative Politics: Middle East, 3 units
   - PSCI 3444 Gender and Sexuality in the Middle East, 4 units
   - PSCI 3600 International Relations, 4 units
6. LIBS Social Inquiry (3 units):
   - PSCI 4316 Teaching Democracy in the Classroom, 3 units
Liberal Studies Concentration in Communication Studies

Requirements (21 units)
1. Complete 3-6 units from the following lower division courses:
   COMM 2011 Introduction to Communication Studies (General Education Area D2a), 3 units
   COMM 2000 Public Speaking (General Education Area A1), 3 units or
   COMM 2110 Group Discussion Processes (General Education Area A1), 3 units
2. Complete 3 units from the following Inquiry courses:
   COMM 3400 Oral Interpretation of Children's Literature, 3 units
   COMM 4020 Communication in the Classroom, 3 units
3. Complete 12-15 units of electives from the following upper-division courses:
   COMM 3100 Advanced Interpersonal Communication, 3 units
   COMM 3000 Oral Interpretation of Children's Literature, 3 units*
   COMM 4020 Communication in the Classroom, 3 units*
   COMM 4040 Gender Communication, 3 units
   COMM 4060 Family Communication, 3 units
   COMM 4110 Communication for Leadership, 3 units
   COMM 4120 Communication and Aging, 3 units
   COMM 4150 Nonverbal Communication, 3 units
   COMM 4160 Intercultural Communication, 3 units
   COMM 4170 Professional Interviewing, 3 units
   COMM 4180 Health Communication, 3 units
   COMM 4190 Conflict and Communication, 3 units
   COMM 4220 Technology and Communication, 3 units
   COMM 4400 Visual Communication, 3 units
   COMM 4800 First and Second Language Acquisition, 3 units
   JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units
*If either COMM 3400 or COMM 4020 is used to fulfill the Inquiry requirement, that course cannot be used as an elective.

Liberal Studies Concentration in Earth Sciences

Requirements (20 units)
1. Complete University requirements for a Bachelor of Arts degree in Liberal Studies.
2. Complete a minimum of 20 units of coursework in Earth Science covering categories (a) through (d) below. At least 12 units must be upper-division. GEOL 3050 and GEOL 3650 cover similar material, so they are mutually exclusive (i.e., students should take one or the other).
3. Complete the following requirements; a single course may count toward only one of the categories:
   a. At least 6 units of courses that address the solid-earth component:
      GEOL 2100 Principles of Geology, 3 units
      GEOL 2102 Principles of Geology Laboratory, 1 unit
      GEOL 2200 History of Earth and Life, 3 units
      GEOL 2202 History of Earth and Life Laboratory, 1 unit
      GEOL 2400 Introduction to Earth Science, 3 units
      GEOL 3050 Environmental Geology, 4 units (includes activity)
      GEOL 3500 Earthquakes and Volcanoes, 3 units
      GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
      GEOL 4000 Geologic Field Excursions, 2 units (includes activity)
   b. At least 3 units of courses that address the hydrosphere component:
      GEOL 2100 Principles of Geology, 3 units
      GEOL 2102 Principles of Geology Laboratory, 1 unit
      GEOL 2200 History of Earth and Life, 3 units
      GEOL 2202 History of Earth and Life Laboratory, 1 unit
      GEOL 2400 Introduction to Earth Science, 3 units
      GEOL 3050 Environmental Geology, 4 units (includes activity)
      GEOL 3600 Physical Oceanography, 3 units
      GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
      JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units
      GEOL 3610 Hydrogeology, 4 units (includes lab)
      GEOL 4810 Development and Management of Water Resources, 4 units (includes activity)
   c. At least 3 units of courses that address the atmosphere component:
      GEOL 2100 Principles of Geology, 3 units
      GEOL 2102 Principles of Geology Laboratory, 1 unit
      GEOL 2200 History of Earth and Life, 3 units
      GEOL 2202 History of Earth and Life Laboratory, 1 unit
      GEOL 2400 Introduction to Earth Science, 3 units
      GEOL 3050 Environmental Geology, 4 units (includes activity)
      GEOL 3600 Physical Oceanography, 3 units
      GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
      GEOL 3810 Hydrogeology, 4 units (includes lab)
      GEOL 4810 Development and Management of Water Resources, 4 units (includes activity)
      GEOL 3100 Climatology, 3 units
      PHSC 2100 Atmospheric, Weather, and Climate, 3 units
      GEOG 3100 Climatology, 3 units
d. At least 4 units of courses that address the universe component:
   GEOL 2200 History of Earth and Life, 3 units
   GEOL 2202 History of Earth and Life Laboratory, 1 unit
   ASTR 2100 Descriptive Astronomy, 3 units
   ASTR 2112 Astronomy Laboratory, 1 unit
   GEOL 2400 Introduction to Earth Science, 3 units
4. Complete the following requirements; courses from the above list may be used to
   meet these requirements:
   a. One lower-division Laboratory Course
      GEOL 2100 Principles of Geology, 3 units or
      GEOL 2400 Introduction to Earth Science, 3 units and
      GEOL 2102 Principles of Geology Laboratory, 1 unit
      GEOL 2200 History of Earth and Life, 3 units
      GEOL 2202 History of Earth and Life Laboratory, 1 unit
      ASTR 2100 Descriptive Astronomy, 3 units and
      ASTR 2112 Astronomy Laboratory, 1 unit
   b. One upper-division integrated science course with a laboratory:
      GEOL 3050 Environmental Geology, 4 units (includes activity)
      GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units

Liberal Studies Concentration in Economics

Requirements (21 units)
At least 15 of the 21 required units must be upper division.
1. Economic Principles, 6 units:
   ECON 2500 Principles of Macroeconomics, 3 units
   ECON 2510 Principles of Microeconomics, 3 units
   Take at least one course from each of the following areas:
2. Economic History (3 or 4 units):
   ECON 3100 Economic History of the United States, 3 units
   ECON 4010 Economic Thought, 3 units
   ECON 4335 Political Economy (WP), 4 units
3. International Economics (3 or 4 units):
   ECON 4401 Third World Economics, 3 units
   ECON 4455 The U.S. and World Trade, 4 units
4. Economic Resources (3 or 4 units):
   ECON 4100 Labor Economics, 3 units
   ECON 4560 Natural Resources and Environmental Economics, 4 units
   ECON 4640 Economics and Agriculture, 3 units
5. Economic Analysis (3 or 4 units):
   ECON 3150 National Income Analysis, 3 units
   ECON 4331 Managerial Economics, 3 units
   ECON 4500 Economics of Investments, 4 units
6. LIBS Social Inquiry (3 units):
   ECON 4700 Contemporary Economic Issues, 3 units
   ECON 4750 The California Economy, 3 units

Note: You may substitute courses upon approval by the concentration adviser.

Liberal Studies Concentration in English

Requirements (18 units)
1. Select one of the following courses (3 units):
   ENGL 2100 British Literature to 1800, 3 units, or
   ENGL 2110 British Literature after 1800, 3 units
2. Select one of the following courses (3 units):
   ENGL 2200 American Literature to 1865, 3 units, or
   ENGL 2210 American Literature after 1865, 3 units
3. Complete the following upper-division courses, (6 units):
   ENGL 3009 Writing for Teachers (WP), 3 units
   ENGL 4620 Children’s Literature, 3 units
4. Select a minimum of 6 units of upper-division English from the following:
   ENGL 3010 Creative Writing Workshop, 4 units
   ENGL 3500-3520 Studies in Film, 4 units
   ENGL 3700 Introduction to Language, 3 units
   ENGL 3750 Introduction to Linguistic Theory, 4 units
   ENGL 3920 Survey of World Literature, 3 units
   ENGL 4300 Shakespeare, 3 units
   ENGL 4600 Tutorial Projects in English (WP), 3 units
   ENGL 4615 TESOL Methods, 3 units
   ENGL 4630 Adolescent Literature, 3 units
   ENGL 4800 Second Language Acquisition, 3 units
   ENGL 4850 English Grammar, 3 units

Note: Other courses are available upon advisement.
Liberal Studies Concentration in Ethnic Studies

Requirements (20 units)
1. Lower Division (3 units)
   a. Introductory/Foundation Courses of Ethnic Studies (3 units)
      ETHS 2000 Contemporary African American Studies, 3 units
      ETHS 2100 Contemporary Chicano Studies, 3 units
      ETHS 2200 Contemporary Asian American Studies, 3 units

2. Upper Division (17 units)
   Choose at least one course from each section (a-e).
   a. Cultural and Historical Development of Ethnic Groups
      ETHS 3100 Asian American Images in Arts and Media, 3 units
      ETHS 3110 Looking for America: Chicano Images in Art and Film, 3 units
      ETHS 3115 Chicana/o Thought, 3 units
      ETHS 3250 African American Images in the Arts and Media, 4 units
      ETHS 4000 Mexican American Politics Since 1850, 3 units
      ETHS 4010 The African American Woman: Soul Sister, 4 units
      ETHS 4030 Asian American Families, 3 units
      ETHS 4100 Chicanos in Education, 3 units
      ETHS 4110 Asian Americans in Education, 3 units
   b. Psychological, Sociological, Economic, Educational, and Political Aspects of Ethnic Communities
      EDUC 4430 Crosscultural Techniques for Teachers: Language and Sociocultural Issues in School Settings, 3 units
      ETHS 3000 Mexican American Politics Since 1850, 3 units
      ETHS 3200 Gender Roles in the Chicano Community, 3 units
      ETHS 4020 The African American Woman: Soul Sister, 4 units
      ETHS 4100 Chicanos in Education, 3 units
      ETHS 4110 Asian Americans in Education, 3 units
   c. Ethnic Family Structure
      ETHS 4000 The Mexican American Family, 3 units
      ETHS 4010 The African American Family, 3 units
      ETHS 4030 Asian American Families, 3 units
   d. Synthesis of Knowledge/Introduction of Research Methodology
      ETHS 4200 The Minority Experience, 3 units*
      ETHS 4350 Multiculturalism: From Bias to Reality, 3 units*
      ETHS 4940 Field Work in Ethnic Studies, 3 units
      ETHS 4950 Selected Topics in Ethnic Studies, 1-5 units
      ETHS 4960 Seminar in Ethnic Studies, 3 units or
      ETHS 4980 Individual Study, 1-4 units
   e. Social Inquiry Integrative Courses
      ETHS 4250 California Ethnic Experience, 3 units
      ETHS 4040 Minority Family, Communities, and Schools, 3 units

*May cross count with Liberal Studies, Multicultural Perspectives

Liberal Studies Concentration in Exceptional Children and Youth

The Liberal Studies concentration in Exceptional Children and Youth was developed primarily for students interested in teaching students with mild/moderate and moderate/severe disabilities at the elementary and secondary levels. Many of the courses in the concentration are prerequisites for admission to the special education credential program. Students who wish to pursue a special education credential should meet regularly with their adviser to be apprised of any changes in the credential program requirements. (See the College of Education section of the Graduate catalog for descriptions of the Special Education credential programs.)

Note: Declaration of the concentration is not equivalent to admission to the Special Education Credential Program.

Requirements (21 units)
1. Complete the following required classes (18 units)
   PSYC 2010 Introduction to Psychology, 3 units
   PSYC/CDEV 3140 Human Development I: Childhood, 3 units
   EDSE 4310 Introduction to Special Education Programs, 3 units
   EDSE 4330 Communication and Social Skills for Students with Disabilities, 3 units
   COMM 4800 First and Second Language Acquisition, 3 units or
   ENGL 4800 Second Language Acquisition, 3 units
   EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units or
   EDSE/PSYC 4560 Theory of Instructional Design, 3 units
2. Select one of the following elective classes to complete the concentration (3 units):
   PSYC 4130 Psychological Disorders of Children, 3 units
   PSYC 4150 Learning Disabilities, 3 units
   EDSE/PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units

Liberal Studies Concentration in Geography

Requirements (21 units)
1. Complete two of the following courses (6 units):
   GEOG 2010 Introduction to Physical Geography, 3 units
   GEOG 2400 World Regional Geography I: Europe and Asia, 3 units
   GEOG 2410 World Regional Geography II: Africa, Australia, and Latin America, 3 units
2. Complete the following courses (6 units):
   GEOG 3010 Cultural Geography, 3 units
   GEOG 3020 Human Ecology, 3 units
3. Complete the following regional course (3 units):
   GEOG 3510 Geography of North America, 3 units
4. Complete the required upper division inquiry course (3 units):
   GEOG 3350 Geography of the Great Central Valley, 3 units
5. Complete additional units in geography (3 units), based on interest.
Liberal Studies Concentration in History

The Department of History seeks to produce students well educated in the past experiences of humanity and how that past might best be understood and its significance appreciated within a contemporary framework. Students are led to observe and understand history beyond simply the mere accumulation of disconnected facts; they are taught the importance of those facts in the context of causes and consequences. To achieve that goal, the courses listed in the revised program employ a methodology of critical analysis, by virtue of research papers, discussion, varied educational projects, and essay examinations to best understand and appreciate the historical data in relationship to the past and present. Of equal importance, the selected courses will expose the Liberal Arts student to the essential historical elements that contribute to the contemporary multicultural environment both in the United States and the global arena.

Requirements (21 units)
1. World History (3 units):
   - HIST 1010 World Civilizations I, 3 units
   - HIST 1020 World Civilizations II, 3 units
2. European History (3 units):
   - HIST 3120 Ancient Mediterranean World, 3 units
   - HIST 3140 Medieval Europe, 3 units
   - HIST 3210 Renaissance and Reformation, 3 units
   - HIST 3220 Absolutism and Revolution, 1598-1799, 3 units
   - HIST 3230 Nineteenth Century Europe, 3 units
   - HIST 3240 Twentieth Century Europe, 3 units
3. American History (3 units):
   - HIST 3610 Colonial North America, 3 units
   - HIST 3620 Early National United States, 3 units
   - HIST 3630 U.S. Reconstruction through World War II, 3 units
   - HIST 3640 Contemporary United States, 3 units
4. Non-Western History (6 units):
   - HIST 3510 Colonial Latin America, 3 units
   - HIST 3520 Modern Latin America, 3 units
   - HIST 3800 East Asia in Traditional Times, 3 units
   - HIST 3810 East Asia in the Modern World, 3 units
   - HIST 3860 Africa Before 1885, 3 units
   - HIST 3880 Contemporary Africa, 1945 to the Present, 3 units
   - HIST 3900 Arab-Islamic Civilization: Origins to the Present, 3 units
   - HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
5. Social Inquiry (3 units):
   - HIST 4010 Practicing Local History, 3 units
   - HIST 4720 Modern Atlantic Slavery, 3 units
6. Electives (3 units):
   - HIST 4000 Readings in History, 1-2 units (Must be taken with another History course)
   - HIST 4980 Individual Study, 1-4 units
   - Any 3000 or 4000 level History course, including the courses listed above.

Liberal Studies Concentration in Mathematics

Requirements (20 units)
Complete 20 units in mathematics as approved by the concentration adviser, including a minimum of 12 upper-division units by completing the requirements from each of the 3 groups listed below:
1. Calculus (8 units)
   - MATH 1410 Calculus I, 4 units
   - MATH 1420 Calculus II, 4 units
2. LIBS Scientific/Mathematical Inquiry (3 units)
   - MATH 3040 Insights from Mathematics, 3 units
3. Upper-division Electives (9 units):
   - Complete at least six units from group (a) below.
     a. MATH 3060 Modern Geometry, 3 units
        - MATH 3110 History of Mathematics, 3 units
        - MATH 3600 Theory of Numbers, 3 units
        - MATH 3400 Set Theory and Logic, 3 units
     b. MATH 3030 Mathematics for Elementary and Middle School Teachers, 3 units
        - MATH 3350 Applied Mathematical Models, 3 units
Liberal Studies Concentration in Music

Complete a minimum of 20 units, including at least 12 units of upper-division courses.

**Requirements** (20 units minimum)
1. Complete a minimum of 8 units from the following courses:
   - MUS 1000 Introduction to Music, 3 units
   - MUS 1190 Music Fundamentals, 3 units
   - MUS 1220 Theory I, 3 units
   - MUS 1600 Basic Class Piano, 1 unit
   - MUS 1620 Basic Class Guitar, 1 unit
   - MUS 1630 Basic Class Voice, 1 unit
   - MUS 2000 Music of World Cultures, 3 units
   - MUS 2400, 2410, 2440 Major Group Performance, 1-4 units
   - MUS 2600 Intermediate Class Piano, 1 unit
   - MUS 2630 Intermediate Class Voice, 1 unit
   - MUS 2650 Intermediate Class Guitar, 1 unit
2. Complete a minimum of 9 units from the following courses:
   - MUS 3100 Music History and Literature II, 3 units
   - MUS 3200 Music History and Literature III, 3 units
   - MUS 3270 Basic Conducting, 2 units
   - MUS 3340 Music in Elementary School, 3 units
   - MUS 3400 American Music, 3 units
   - MUS 3410 History of Jazz, 3 units
   - MUS 3650, 3660 String Technique I, II, 1 unit each
   - MUS 3681, 3682 Woodwind Techniques I, II, 1 unit each
   - MUS 3683 Brass Techniques, 1 unit
   - MUS 3684 Percussion Techniques, 1 unit
   - MUS 4400, 4410, 4440 Major Group Performance, 1-4 units
   - Electives, 1-3 units
3. Complete one of the following Liberal Studies Inquiry courses:
   - MUS 3341 Music for the Classroom Teacher, 3 units
   - MUS 3420 Music and the Arts, 3 units

Liberal Studies Concentration in Physical Education

**Requirements** (20 units)
1. Complete the following courses (6 units):
   - PHED 3400 Elementary Physical Education, 3 units
   *Equivalent Integrated Inquiry Course
   PHED 4200 Motor Learning, 3 units, or
   PHED 4250 Motor Development, 3 units
2. Complete one course from following (3 units):
   - PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
   - PHED 4100 Curriculum, Organization, Administration, and Instruction of Physical Education, 3 units
   - PHED 4300 Measurement and Evaluation in Physical Education, 3 units
   - PHED 4400 Kinesiology, 3 units
   - PHED 4500 Physiology of Exercise, 3 units
3. Complete one course from the following (3 units):
   - PHED 3700 Sport in Society (WP), 3 units
   - PHED 4800 Adapted Physical Education, 3 units
   - HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
   - HLTH 4200 Elementary School Health and Safety, 3 units
4. Complete three courses from the following (6 units):
   - PHED 3300 Theory and Analysis-Aquatic Sports (Spring only), 2 units
   - PHED 3310 Theory and Analysis-Combative Activities (Spring only), 2 units
   - PHED 3320 Theory and Analysis-Dance (Fall only), 2 units
   - PHED 3330 Theory and Analysis-Golf/Archery, 2 units
   - PHED 3340 Theory and Analysis-Gymnastics (Fall only), 2 units
   - PHED 3350 Theory and Analysis-Racquet Sports (Fall only), 2 units
   - PHED 3360 Theory and Analysis-Team Sports (Spring only), 2 units
5. Complete one elective from courses listed above, 2 units
Liberal Studies Concentration in Physics
and Physical Sciences

Requirements (20 units)
1. Complete the following lower-division courses (5 units):
   PHYS 2110 Basic Physics II, 5 units, with consent of adviser, or
   PHYS 2260 General Physics II, 4 units, and
   PHYS 2262 General Physics Laboratory II, 1 unit
2. Select a minimum of 15 units from the following upper-division courses:
   a. PHYS 3200 Heat, Light, and Sound, 3 units
   b. In consultation with Physical Science adviser, select 12 units from the
      following; at least 3 units must be from Physics or Astronomy.

Physics
PHYS 3010 Introduction to Mathematical Physics I, 3 units
PHYS 3080 How Things Work, 3 units
PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
PHYS 4250 Analog and Digital Electronics, 4 units

Astronomy
ASTR 3000 Contemporary Astronomy, 3 units

Chemistry
CHEM 3050 Forensic Chemistry, 4 units
CHEM 3070 Chemicals in Your Life, 3 units
CHEM 3080 Chemistry of Nuclear Energy, 3 units
CHEM 3090 Chemistry in the Elementary School Classroom, 3 units
CHEM 3100 Environmental Chemistry, 3 units
CHEM 4010 Physical Chemistry I, 3 units
CHEM 4012 Physical Chemistry Laboratory I, 1 unit
CHEM 4020 Physical Chemistry II, 3 units

Geology
GEOL 3050 Environmental Geology, 4 units
GEOL 3500 Earthquakes and Volcanoes, 3 units
GEOL 3600 Physical Oceanography, 3 units
GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units
GEOL 4000 California Field Excursions, 2 units
GEOL 4700 Plate Tectonics, 3 units

Note: Students cannot take both GEOL 3050 and GEOL 3650.

Liberal Studies Concentration in Sociology

Liberal Studies majors with a concentration in Sociology gain an appreciation for the
role of individuals in society as well as for the effects and consequences of interaction
with the basic social institutions: family, religion, education, government, and economics.
Sociology Concentration students also develop appreciation for the functions of
community as well as for the concepts of social class, ethnicity, and gender. In addition,
selecting a concentration in sociology will enable future California teachers to have a
greater appreciation for the impact of social dynamics on the classroom environment.

Specifically, the Sociology concentration is aligned with six subject matter skills and
abilities applicable to the content domains in History and Social Science, as well as with
five content domains standards necessary to student’s acquiring California’s Multiple
Subject Teaching Credential.

The Liberal Studies Concentration in Sociology requires 20 units: 3 prerequisite units
plus 17 upper-division units. In addition to the prerequisite, students in the Sociology
Concentration are introduced to techniques and critical understanding of information
gathering in the social sciences, as well as courses that focus on various aspects of
social-structural and cultural interaction, and the approved Integrative Study course,
Sociology of Education.

Requirements (20 units)
Prerequisite
SOCL 1010 Introduction to Sociology, 3 units or
SOCL 2240 Social Problems, 3 units

Information Gathering in the Social Sciences
SOCL 3030 Research Methods, 4 units

Integrative Study Requirement
SOCL 3700 Sociology of Education, 3 units

Societal/Cultural Interactions
SOCL 3000 Classical Theory, 4 units
SOCL 4010 Race and Ethnic Relations, 3 units
SOCL 4800 Formal Organization in Modern Society, 3 units
Liberal Studies Concentration in Spanish

The Liberal Studies Concentration in Spanish is designed to prepare future teachers to be modestly proficient in speaking, reading and writing Spanish and to acquire a basic understanding of the civilizations and cultures of the Pan-Hispanic world. The Spanish Concentration also offers excellent preparation for students who are planning to pursue a bilingual/cross-cultural or single subject credential in Spanish. The separate tracks of this concentration are designed to serve the special needs and interests of native and non-native speakers.

Requirements (21 units)

Track 1 (non-native speakers):
1. Complete the following preparatory courses (6 units):
   - SPAN 2010 Intermediate Spanish I, 3 units
   - SPAN 2020 Intermediate Spanish II, 3 units
2. Complete the following core courses (9 units):
   - SPAN 3000 Advanced-Intermediate Spanish, 3 units
   - SPAN 3010 Advanced Spanish I, 3 units
   - SPAN 3020 Advanced Spanish II, 3 units
3. Complete the following LIBS Integrative Inquiry courses (6 units):
   - SPAN 3600 Spanish Civilization, 3 units
   - SPAN 3610 Spanish American Civilization, 3 units

Track 2 (native speakers):
1. Complete the following preparatory courses (6 units):
   - SPAN 2011 Spanish for Native Speakers I, 3 units
   - SPAN 2015 Spanish for Native Speakers II, 3 units
2. Complete the following core courses (6 units):
   - SPAN 3010 Advanced Spanish I, 3 units
   - SPAN 3020 Advanced Spanish II, 3 units
3. Complete the following LIBS Integrative Inquiry courses (6 units):
   - SPAN 3600 Spanish Civilization, 3 units
   - SPAN 3610 Spanish American Civilization, 3 units

Liberal Studies Concentration in Teaching English to Speakers of Other Languages (TESOL)

The TESOL Concentration in Liberal Studies is an excellent undergraduate preparation for California teaching credentials, and provides minimum preparation for teaching English as a Second Language (ESL) or English as a Foreign Language (EFL) in language institutes in the U.S. or overseas. With the increasingly multi-cultural and multi-lingual makeup of our public schools, and the need for ESL approaches in the K-12 classrooms, the TESOL Concentration is increasingly valued by California school districts. The concentration does not require fluency in any language other than English.

Requirements (19-20 units)

ENGL 3750 Introduction to Linguistic Theory, 4 units, or
ENGL 3700 Introduction to Language, 3 units
ENGL 4615 TESOL Methods (an equivalent LIBS Integrative Inquiry course), 3 units
ENGL 4800 Second Language Acquisition, 3 units, or
COMM 4800 First and Second Language Acquisition, 3 units
ENGL 4850 English Grammar, 3 units
ENGL 4990 Senior Seminar, 4 units
Three units of college-level foreign language (this requirement may also be fulfilled by an intensive HILT-type course, overseas study, or demonstrated proficiency contingent upon approval of TESOL adviser).

Liberal Studies Concentration in Theatre

Requirements (22 units)

1. Complete the following lower-division courses (6 units):
   - THEA 1010 Introduction to Theatre, 3 units
   - THEA 1500 Acting for Non-Theatre Majors, 3 units
2. Complete the following upper-division courses (9 units):
   - THEA 3020 Children's Theatre, 3 units
   - THEA 3200 Stagecraft I, 3 units
   - THEA 3210 Makeup, 3 units, or
   - THEA 3240 Costuming, 3 units
3. One course selected from the following (3 units):
   - THEA 4510 Intermediate Acting, 3 units
   - THEA 4520 Advanced Acting, 3 units
4. Complete the following Artistic Inquiry Course (4 units):
   - THEA 4020 Performance for Children, 4 units
Department of Physical Education and Health

J. Sue Fletcher, Ed.D., Chair

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Bachelor of Arts in Physical Education
with a concentration in Health and Wellness Promotion

Minors in Physical Education

Bachelor of Arts in Physical Education
with a concentration in Physical Education

Liberal Studies concentration in Physical Education

Master of Arts in Education*
with a concentration in Physical Education

Single Subject Matter Preparation in Physical Education
*See the Graduate catalog.

Courses provide a background in physical education for those planning to enter the teaching field, an educational foundation for those planning to undertake graduate work, or a program for preprofessional work in health and wellness fields such as pre-physical therapy.

Recommendations
1. Physical Education majors are strongly encouraged to maintain motor skills and physical fitness by enrolling in one activity skills class and one activity fitness class per semester.
2. Advising is mandatory for all majors in this degree program. Please contact the Department office either by telephone or email for information on academic advising.
3. Students interested in obtaining a teaching credential are strongly advised to confer with the Department of Teacher Education program advisor at the beginning of the junior year. An application for admission into the teacher education program is available from the Department of Teacher Education.

Bachelor of Arts in Physical Education

Requirements
1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (13 units):
   a. The following courses are required for physical education majors, and also fulfill general education requirements:
      - BIOL 1010 Principles of Biology (Lec), 3 units, and
      - BIOL 1020 World of Biology Laboratory, 1 unit, or
      - ZOOL 1050 Introduction to Zoology, 4 units
   b. PHED 1000 Physical Education Activity, 1 unit
   c. Required courses in related fields:
      - ZOOL 2230 Physiology (Lec), 3 units
      - ZOOL 2232 Physiology (Lab), 1 unit
      - ZOOL 2250 Human Anatomy (Lec and lab), 4 units
3. Complete the major of not less than 38 upper-division units.
4. Consult with the major adviser during each advising period concerning requirements, changes in curriculum, waivers, etc.
5. Completion of a minor is not required.

The Major (38 units)
1. Group One — Complete the following courses (18 units):
   - PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
   - PHED 4100 Curriculum Organization, Administration, and Instruction of Physical Education, 3 units
   - PHED 4200 Motor Learning, 3 units
   - PHED 4400 Kinesiology, 3 units
   - PHED 4500 Physiology of Exercise, 3 units
2. Group Two — Complete eight units from the following courses:
   - PHED 3400 Elementary Physical Education, 3 units
   - PHED 3700 Sport in Society (WP), 3 units
   - PHED 4800 Adapted Physical Education, 3 units
   - HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
3. Group Three — Complete four units from the following courses:
   - PHED 3200 Theory of Coaching Football, 2 units
   - PHED 3210 Theory of Coaching Basketball, 2 units
   - PHED 3220 Theory of Coaching Baseball, 2 units
   - PHED 3230 Theory of Coaching Track and Field, 2 units
   - PHED 3240 Theory of Coaching Volleyball, 2 units
   - PHED 3250 Theory of Coaching Softball, 2 units
   - PHED 3260 Theory of Strength and Conditioning, 2 units
4. Group Four — Complete eight units from the following courses:
   - PHED 3300 Theory and Analysis of Aquatic Sports, 2 units
   - PHED 3310 Theory and Analysis of Combative Activities, 2 units
   - PHED 3320 Theory and Analysis of Dance, 2 units
   - PHED 3330 Theory and Analysis of Golf/Archery, 2 units
   - PHED 3340 Theory and Analysis of Gymnastics, 2 units
Concentration in Health and Wellness Promotion

Requirements
1. Complete the requirements for the Bachelor of Arts degree.
   (Recommend HLTH 1000 in General Education area E1).
2. Complete the prerequisites to the major (13 units)
   a. The following courses are required for physical education majors, and also fulfill general education requirements:
      BIOL 1010 Principles of Biology, 3 units, and
      BIOL 1020 World of Biology Laboratory, 1 unit, or
      ZOOL 1050 Introduction to Zoology, 4 units
   b. PHED 1010-1990 Physical Education Activity, 1 unit
   c. Required courses in related fields:
      ZOOL 2230 Physiology (Lec), 3 units
      ZOOL 2232 Physiology (Lab), 1 unit
      ZOOL 2250 Human Anatomy, 4 units
3. Complete the concentration of not less than 24-25 upper-division units.
4. This concentration does not qualify students for admission to the credential program.
5. Consult with major adviser during each advising period concerning requirements, changes in curriculum waivers, etc.
6. Completion of a minor is not required.

Required Courses in the Major
1. Complete the Core Courses (15 units):
   PHED 4300 Measurement and Evaluation in Physical Education, 3 units
   PHED 4400 Kinesiology (Lecture and Lab), 3 units
   PHED 4500 Physiology of Exercise (Lecture and Lab), 3 units
   PHED 4800 Adapted Physical Education, 3 units
   HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
2. Complete two courses from the following (6 units):
   PHED 3400 Elementary Physical Education, 3 units
   PHED 3700 Sport in Society (WP), 3 units
   PHED 3800 Sport Psychology: Concepts and Applications, 3 units
   PHED 4200 Motor Learning, 3 units
   PHED 4250 Motor Development, 3 units
3. Complete the following courses in the Concentration (18-19 units):
   PHED 3370 Theory and Analysis of Fitness Activities, 2 units
   HLTH 3030 Cardiovascular Health, Fitness, and Exercise, 3 units
   HLTH 3100 Foods and Nutrition, 3 units
   HLTH 4500 Health in a Diverse Society, 3 units
   HLTH 4600 Health and Fitness Assessment (Lecture and Lab), 3 units
   HLTH 4650 Health and Fitness Program Design, 3 units
   HLTH 4940 Fieldwork or Practicum in Health, 1-2 units
4. Complete two courses from the following electives (6 units):
   HLTH 4300 Family Health, 3 units
   COMM 3120 Management Communication, 3 units
   PSYC 3340 Human Development III: Adulthood and Aging, 3 units
   PSYC 3660 Psychology of Women, 3 units
   SOCL 4710 Sociology of Aging, 3 units

Minor in Physical Education

Requirements (21 units)
1. Complete HLTH 3000, Prevention and Care of Athletic Injuries, 3 units
2. Complete the following coursework from the groups listed for the Bachelor of Arts in Physical Education major (18 units):
   Courses from Group One of Major Program, 6 units
   Courses from Group Two of Major Program, 4 units
   Courses from Group Three of Major Program, 4 units
   Courses from Group Four of Major Program, 4 units
Note: Of the 21-unit total, 16 units must be upper division.

Liberal Studies Concentration in Physical Education
Please refer to the Liberal Studies section of the catalog.

Teaching Credentials
Majors in physical education interested in the single subject credential are referred to the Teacher Education section of the Graduate catalog.

Before admission to the credential program, students must be cleared for subject matter competence. The Department of Physical Education and Health will certify students for competence in appropriate subject matter content when they:
1. Complete an approved California Commission on Teacher Credentialing Single Subject Matter Preparation Program in Physical Education, or
2. Earn a passing score on the Single Subject Examination in Physical Education, Test #09 and the CSET Examination in Physical Education,
3. Demonstrate University requirement competency in skills or subject areas commonly taught in California public schools. These include dance, sports and games, aquatics, and gymnastics. Competency in skills may be obtained by passing 16 or more units at CSU Stanislaus in theory and analysis and theory of coaching classes with the instructor approving the skill level (grade C– or better).
   If the instructor does not approve the skill level, the student must take remedial action to improve deficient skills and then pass a skills test.
4. Appeal Process:
   a. There is no appeal for 1 and 2.
   b. Students who do not pass a skills test on the second attempt may request a committee of three qualified faculty to administer and score the next test.
Single Subject Matter Preparation Program

Requirements
1. Complete the requirements for the Bachelor of Arts degree.
2. Complete the prerequisites to the major (4 units):
   BIOL 1010 Principles of Biology, 3 units, and
   BIOL 1020 World of Biology Laboratory, 1 unit, or
   ZOOL 1050 Introduction to Zoology, 4 units
3. Complete the required courses in related fields (8 units):
   ZOOL 2230 Physiology (Lec), 3 units
   ZOOL 2232 Physiology (Lab), 1 unit
   ZOOL 2250/2252 Human Anatomy, 4 units

Subject Matter Preparation Program
1. Complete the following coursework in core subjects (18 units):
   PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
   PHED 3700 Sport in Society (WP), 3 units
   PHED 4200 Motor Learning, 3 units
   PHED 3400 Elementary Physical Education, 3 units
   PHED 4100 Curriculum, Organization, Administration, and Instruction of Physical Education, 3 units
   PHED 4250 Motor Development, 3 units
   PHED 4500 Physiology of Exercise, 3 units
2. Complete the following coursework in breadth and depth courses (18 units):
   HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
   PHED 3400 Elementary Physical Education, 3 units
   PHED 4100 Curriculum, Organization, Administration, and Instruction of Physical Education, 3 units
   PHED 4150 Secondary Pedagogy in Physical Education, 3 units
   PHED 3250 Motor Development, 3 units
   PHED 4800 Adapted Physical Education, 3 units
3. Complete the following coursework in movement concepts and forms (20 units):
   a. All courses in Group A, below, are required (14 units):
      PHED 3300 Theory and Analysis of Aquatic Sports, 2 units
      PHED 3310 Theory and Analysis of Combative Activities, 2 units
      PHED 3320 Theory and Analysis of Dance, 2 units
      PHED 3330 Theory and Analysis of Golf/Archery, 2 units, or
      PHED 3340 Theory and Analysis of Gymnastics, 2 units
      PHED 3350 Theory and Analysis of Racquet Sports, 2 units
      PHED 3370 Theory and Analysis of Fitness Activities, 2 units
      PHED 3650 Outdoor Education, 2 units
   b. Select 3 courses from Group B (6 units):
      PHED 3200 Theory of Coaching Football, 2 units
      PHED 3210 Theory of Coaching Basketball, 2 units
      PHED 3220 Theory of Coaching Baseball, 2 units
      PHED 3230 Theory of Coaching Track and Field, 2 units
      PHED 3240 Theory of Coaching Volleyball, 2 units
      PHED 3250 Theory of Coaching Softball, 2 units
      PHED 3260 Theory of Strength and Conditioning, 2 units
      PHED 3360 Theory and Analysis of Team Sports, 2 units

Note: The California Commission on Teacher Credentialing (CCTC) has newly adopted (2002) subject matter requirements and single subject matter preparation standards. The Bachelor of Arts, Physical Education Single Subject Matter Preparation Program is currently under review by the CCTC. Students admitted to the currently approved program must complete their course of study by July 1, 2010 or prior to the phase-out of the currently approved program.

Supplementary Authorization in Health Science and in Physical Education
The holder of a Multiple Subject, Single Subject, Standard Secondary, or Special Secondary Teaching Credential may have one or more of the subjects commonly taught in departmentalized classes and listed below added to his or her credential as a supplementary authorization by verifying completion of the following requirements specified in California Administrative Code, Title 5 Sections 80057.5, 80089, 80089.1 and 80089.2. Supplementary authorizations cannot be issued in any subject that falls within the statutory single subject category of an applicant’s Single Subject Teaching Credential.

The Department offers courses for the Introductory Health Science supplementary authorization and the Introductory Physical Education supplementary authorization.

Introductory Health Science
Substance Abuse (including alcohol, drug, and tobacco), Family Health, and Nutrition.

Completion of 20 semester units (or 10 upper division semester units):
   HLTH 3100 Foods and Nutrition, 3 units
   HLTH 3500 Drugs and the Athletic Environment, 3 units
   HLTH 4200 Elementary School Health and Safety, 3 units, or
   HLTH 4210 Secondary School Health and Safety, 3 units
   HLTH 4300 Family Health, 3 units*
   *Meets requirements for Upper Division G.E. Area F3 and G.

Introductory Physical Education
Team sports and games; fundamental and creative movement skills (such as dance and gymnastics); human movement, motor development, and/or motor learning; and individual, dual, nontraditional, and global sports and games (such as aquatics, conditioning, and archery).

Completion of 20 semester units (or 10 upper division semester units):
   PHED 3260 Theory of Strength and Conditioning, 2 units
   PHED 3300 Theory and Analysis of Aquatics Sports, 2 units
   PHED 3320 Theory and Analysis of Dance, 2 units
   PHED 3340 Theory and Analysis of Gymnastics, 2 units
   PHED 3360 Theory and Analysis of Team Sports, 2 units
   PHED 4200 Motor Learning, 3 units
Learning Objectives

Physical Education majors will:

- Demonstrate knowledge and skill in a broad variety of movement and fitness activities.
- Understand the biological/physical and behavioral bases of movement and the changes that occur across the life span, within diverse populations, and under a variety of environmental conditions.
- Understand the sociocultural and humanistic bases of movement within diverse culture, historical periods, and social settings.
- Understand how motor skills are acquired, how fitness is achieved, and how to maintain these across the life span under a variety of environmental and personal unique conditions.
- Understand the relationship between movement, conditioning/training, well-being and skill across the life span and within diverse populations.
- Know how to apply kinesiological knowledge to enhance motor skills and fitness in a variety of populations and conditions.
- Apply critical thinking, writing, reading, oral communication, quantitative and qualitative analysis, and information management skills to movement-related questions.
- Demonstrate the knowledge of the conditions for safety in movement-related contexts across the life span and within diverse populations, and respond appropriately to common injuries occurring during physical activity.
- Be able to use a computer and other technology to support inquiry and professional practice in a movement-related field.
- Be able to use and apply kinesiological data collection techniques and measurement theory to assess, analyze, and evaluate human performance.
- Understand the scientific methods and other systematic ways of knowing relative to research and scholarship in human movement.
- Demonstrate the ability to integrate multidisciplinary knowledge bases of kinesiology in an applied, problem-solving context.
- Be familiar with standards, ethics, and expectations of professional communities related to human movement.
- Be prepared to engage in professionally related community activities.
- Demonstrate additional in-depth knowledge and skills associated with study in any one of the concentrations, specializations, and emphases that are associated with the Physical Education degree.

Course Descriptions

Lower Division

Activity Courses

All activity courses are 1-unit courses, meet two hours per week, have no prerequisites, may be repeated once for credit, are graded on a CR/NC basis, and satisfy G.E. area E2.

With the consent of the instructor, activity courses may be challenged by passing a proficiency test and written examination.

**Fitness and Conditioning**

- PHED 1020 Yoga
- PHED 1050 Jogging
- PHED 1070 Judo
- PHED 1100 T’ai Chi Ch’uan
- PHED 1130 Lifetime Fitness Training

**Individual and Dual Sports**

- PHED 1230 Badminton
- PHED 1330 Golf
- PHED 1480 Tennis

**Aquatics**

- PHED 1610 Swimming
- PHED 1640 Life Saving

**Team Sports**

- PHED 1870 Volleyball
- PHED 1880 Intermediate Volleyball

**Dance**

- PHED 1960 Modern Jazz Dance
- PHED 1965 Intermediate Modern Jazz Dance
- PHED 1990 Dance Aerobics

**PHED 2500–2595 Intercollegiate Athletics (2 units)**

Theory, practice, and game performance of competitive intercollegiate athletics. Limited to students trying out for the intercollegiate team. May be repeated for credit.

Prerequisite: Consent of instructor. (Fall, Winter, Spring)

- PHED 2500 Baseball
- PHED 2505 Softball
- PHED 2510 Basketball (M)
- PHED 2520 Cross Country
- PHED 2530 Golf
- PHED 2555 Soccer
- PHED 2560 Track and Field
- PHED 2570 Volleyball
- PHED 2580 Basketball (W)
- PHED 2585 Soccer (W)
- PHED 2595 Indoor Track and Field
Upper Division

PHED 3100 Foundations, History, and Philosophy of Physical Education (3 units)
Historical factors and forces guiding the development of physical education; objectives of current physical education and its contribution to the full development of man; development of professional understanding and attitude. Philosophical thoughts guiding the development of physical education from ancient to modern times. (Fall, Spring)

PHED 3200–3250 Theory of Coaching (2 units)
Principles, psychology, and coaching techniques underlying participation in competitive interscholastic athletics. PHED 3200, Football; PHED 3210, Basketball (corequisite: PHED 3213); PHED 3220, Baseball (corequisite: PHED 3223); PHED 3230, Track and Field (corequisite: PHED 3233); PHED 3240, Volleyball (corequisite: PHED 3243); PHED 3250, Softball (corequisite: PHED 3253). Prerequisite: Limited to physical education majors and minors, or consent of instructor. (Lecture, 1 hour; laboratory, 2 hours) (Fall, Winter, Spring)

PHED 3260 Theory of Strength and Conditioning (2 units)
The role of strength and conditioning for athletes with the primary emphasis on application for coaches to include weight room management, safety, exercise techniques, program design, and other aspects of a comprehensive training program. Corequisite: PHED 3263. Prerequisite: Limited to physical education majors and minors, Liberal Studies majors with concentrations in physical education, or consent of instructor. (Lecture, 1 hour; activity, 2 hours)

PHED 3300–3370 Theory and Analysis of Physical Education Activities (2 units)
Development of fundamental skills and special abilities applicable to specific areas. A study of competencies and knowledge needed for teaching and organization. Rules and field experience in game strategy, tactics, psychological and evaluation techniques. PHED 3300, Aquatic Sports; PHED 3310, Combative Activities; PHED 3320, Dance; PHED 3330, Golf/Archery; PHED 3340, Gymnastics; PHED 3350, Racquet Sports; PHED 3360, Team Sports; PHED 3370, Fitness Activities. Prerequisite: Limited to physical education majors and minors, Liberal Studies majors with concentrations in physical education, or consent of instructor. (Two 2-hour laboratories) (Fall, Winter, Spring)

PHED 3400 Elementary Physical Education (3 units)
The scope and value of physical education and movement education in the elementary school. Aimed at developing the full range of each child’s abilities, including cognitive skills, ways of finding and using information, perceptual ability, motor skills, social skills, and effective sensitivity. (Summer, Fall, Winter, Spring)

PHED 3650 Outdoor Education (2 units)
Basic backpacking, orienteering, mountaineering, Project Ad venture, snow skiing, and instructional techniques for teaching these outdoor leisure pursuit activities and field experiences. Preparation for teaching in physical education in secondary school.
PHED 4500 Physiology of Exercise (3 units)
Study of different body systems and the effects of exercise on each system and physical performance. Corequisite: PHED 4502. Prerequisites: ZOOL 2230, 2232, and junior standing. CHEM 1000 is recommended. (Lecture, 2 hours; laboratory, 3 hours) (Spring)

PHED 4800 Adapted Physical Education (3 units)
The nature of specific disabilities which occur in students, the ways in which physical education activities are modified to meet the movement needs of physically disabled students, and the laws of the State of California which have implications for the physical education program for physically disabled students. ZOOL 2250 is recommended. Corequisite: PHED 4802. (Lecture, 2 hours; laboratory, 3 hours) (Fall)

PHED 4940 Field Work or Practicum in Physical Education
(1-2 units)
Field work is designed for students interested in gaining experience in a teaching or coaching situation off campus. Practicum is designed for students interested in gaining experience in a teaching or coaching situation on campus. May be repeated for a total of 6 units. Prerequisite: Consent of department chair. (Fall, Winter, Spring)

PHED 4980 Individual Study (1-4 units)
For students capable of independent work in need of advanced or specialized study. May be repeated for 6 units. Prerequisite: Consent of department chair. (Fall, Winter, Spring)

Health Course Descriptions

Lower Division

HLTH 1000 Health in Today’s Society (3 units)
Attention is focused on contemporary health problems and concerns. Typical topics covered are mental and emotional health, sexuality, nutrition, fitness, diseases, consumer education, environmental health, safety, aging, and death and dying. Satisfies G.E. area E1. (Fall, Spring)

Upper Division

HLTH 3000 Prevention and Care of Athletic Injuries (3 units)
Principles, practices, and legal aspects of conditioning athletes, with emphasis on the prevention and care of athletic injuries, bandaging, therapy, health habits, and protective equipment. Prerequisites: ZOOL 2250 and junior standing or consent of instructor. (Fall, Spring)

HLTH 3030 Cardiovascular Health, Fitness, and Exercise (3 units)
The role of exercise in health and fitness, with primary emphasis on the cardiovascular system and the use of exercise in avoiding disease.
HLTH 4650 Health and Fitness Program Design (3 units)
Development of health and fitness programs utilizing principles of fitness conditioning and health and fitness assessment. Introduce principles and procedures of program management as applied to health and fitness programs for setting such as schools, businesses, and the community. Prerequisites: HLTH 4600 and junior standing. Limited to physical education majors or consent of instructor.

HLTH 4940 Fieldwork or Practicum in Health (1-2 units)
(Formerly HLTH 4900) Designed for students interested in gaining either off-campus (fieldwork) or on-campus (practicum) experience in teaching health, or in athletic training or wellness settings. Prerequisite: Consent of department chair.

HLTH 4980 Individual Study (1-4 units)
Individual study is designed for students capable of independent work in need of advanced or specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of department chair.