

Subject Matter Preparation for Elementary Teaching

LOWER-DIVISION TRANSFER PATTERN California State University (CSU) Statewide Pattern

The Lower-Division Transfer Pattern (LDTP) consists of the CSU statewide pattern of coursework outlined below, plus campus-specific coursework, bringing the total pattern to at least 60 but no more than 70 transferable semester units for students to complete at a California Community College (CCC).

The CSU statewide pattern of coursework for CCC students who intend to enroll in a CSU integrated or “blended” teacher preparation program, in which they simultaneously pursue a bachelor’s degree and a preliminary multiple subject teaching credential, includes:

- Completion of lower-division general education requirements, following the CSU General Education Breadth (GE-Breadth) pattern;
- Completion of the CSU graduation requirements in United States History, Constitution and American Ideals¹; and
- Completion of additional coursework and semester units as specified below in (3) and (8).

This LDTP is appropriate for any CSU major that incorporates the elementary subject matter requirements established by the California Commission on Teacher Credentialing and that is identified as part of an integrated teacher preparation program. The titles of the majors will vary from campus to campus.

Please note that the information here is an academic and curricular advising tool: a roadmap that enables transfer students to efficiently and effectively progress towards the CSU baccalaureate degree in a specified discipline. California Community College students should work closely with their advisers when planning their academic program in preparation for transfer to the CSU.

This information does not represent any guarantee with regard to admission nor does it include or replace CSU campus admissions impactation criteria (see <http://www.calstate.edu/AR/impactioninfo.shtml>). These curricular guidelines are subject to change.

¹ CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

CSU Statewide Pattern	Semester Unit Requirement
<p>(1) Complete lower-division general education requirements.</p> <p>Obtain a <i>certification of completion</i> of GE-Breadth or IGETC by the California Community College before transferring to a CSU campus.</p> <p>Follow the course pattern in (2) through (7) while satisfying the GE-Breadth requirements.</p>	<p>39 units</p> <p>Minimum grades of C are required in courses used to meet GE-Breadth Areas A and B4.</p>
<p>(2) Complete the following courses: A course that articulates with [CAN SPCH 4], Public Speaking - Area A1: One course, preferably a course in</p> <ul style="list-style-type: none"> • A course that articulates with Area A2: One course • A course that articulates with Area A3: One course 	<p>0 units</p>
<p>(3) Complete the following courses:</p> <ul style="list-style-type: none"> • A course that articulates with Area B1: A course in Survey of Chemistry and Physics and a course in Survey of Earth Science • A course that articulates with Area B2: A course in Introduction to Biology • A course that articulates with [CAN MATH 4], Area B3: A laboratory taken with one of the courses meeting Area B1 or B2 • A course that articulates with Area B4: A course in Mathematics for Elementary School Teaching 	<p>4 additional units</p>
<p>(4) Complete the following courses:</p> <ul style="list-style-type: none"> • A course that articulates with Area C1: A survey course in visual arts, music, dance or theatre, or a course that surveys two or more of these arts • A course that articulates with Area C2: A survey course in literature that has either a cultural or geographic scope and that covers multiple genres (for example, fiction, poetry, creative non-fiction) • A course that articulates with, [CAN HIST 14], Area C2: A course in History of World Civilizations to the early modern era 	<p>0 units</p>
<p>(5) Complete the following courses:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN HIST 8], Area D6: A course in United States History from earliest times to Reconstruction • A course that articulates with [CAN GOVT 2], Area D8: A course in Introduction to American Government <p>These courses will satisfy 6 units in GE-Breadth Area D and the CSU graduation requirements in United States History, Constitution and American Ideals.</p>	<p>0 units</p>
<p>(6) Complete the following course:</p> <ul style="list-style-type: none"> • A course that articulates with Area D5: A course in World Geography 	<p>0 units</p>
<p>(7) Complete the following course:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN FCS 14], Area E: A course in Child and Adolescent Development 	<p>0 units</p>
<p>(8) Complete the following course:</p> <ul style="list-style-type: none"> • A course that articulates with Introduction to Education 	<p>3 units</p>
<p>Total Semester Units Required for Statewide LDTP Pattern</p>	<p>46 Units</p>

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

<p>as well as the development of institutions and the uniqueness of California's environment, population and politics. and</p> <ul style="list-style-type: none"> • A course that articulates with [CAN PSY 2], Introduction to Psychology or • A course that articulates with [CAN CSCI 2], An introductory course in computer literacy and • A course that articulates with Art or Music or Theatre dealing with applications of that discipline to the elementary classroom and • Labs in all required science courses 	<p>0-3 units</p> <p>0-3 units</p> <p>0-2 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-14 units
Total Semester Units Required for CSU Bakersfield	14 units

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN CSU Channel Islands Campus-Specific Pattern

Note: At this time, CSUCI does not have an Integrated Teacher Preparation program. It is scheduled to commence in Fall 2008. This LDTP is envisioned to enable Junior Transfer students to undertake the program.

In addition to the statewide pattern, the following is the CSU Channel Islands campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with Children's Literature and • A course that articulates with California History and • A course that articulates with a second course in Math for elementary teachers and • A course that articulates with Foreign language or American Sign Language and • A course that articulates with Introduction to Language, Structure and Linguistics 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-15
Total Semester Units Required for CSU Channel Islands	15 units

In addition to the statewide pattern, the following is the CSU Channel Islands campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with Children's Literature and • A course that articulates with California History and • A course that articulates with a second course in Math for 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

elementary school teachers and <ul style="list-style-type: none"> • A course that articulates with a Foreign language or American Sign Language course and • A course that articulates with Introduction to Language, Structure and Linguistics 	0-3 units 0-3 units
(2) Complete additional coursework to bring total to 60 transferable semester units	0-15 units
Total Semester Units Required for CSU Channel Islands	15 units

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU Chico Campus-Specific Pattern**

In addition to the statewide pattern, the following is the CSU Chico campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with a second course in [CSUC HIST 102], World History and • A course that articulates with [CSUC MATH 111], Concepts and Structures of Mathematics - A course that covers problem-solving, probability and statistics, measurement and the metric system, and geometry. and • A course that articulates with [CSUC SOSC 302], Temporal Concepts: California Ethnic History - A course that focuses on the immigration and subsequent history of California's different ethnic groups, exploring their interactions and the effects on the social, political, and economic development of the state. and • A course that articulates with [CSUC SOSC 303], Cultural Concepts: Human Social Evolution - A course in the fundamental concepts of human biological, social, and cultural evolution, comparatively studying the adaptation, social organization, religious and other ideological systems in contemporary non-Western societies. and • A course that articulates with [CSUC THEA 311], Children's Literature in Performance - A course that develops skills for effective dramatization of literature in the elementary classroom or children's theatre, including creative dramatics, storytelling, oral interpretation and group readings. 	0-3 units 0-3 units 0-3 units 0-3 units 0-3 units
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Chico	15 units

In addition to the statewide pattern, the following is the CSU Chico campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with A second course in [CSUC HIST 102], World History and • A course that articulates with [CSUC MATH 111], Concepts and Structures of Mathematics - A course that covers problem-solving, probability and statistics, measurement and the metric system, and geometry. and • A course that articulates with [CSUC SOSC 302], Temporal Concepts: California Ethnic History - A course that focuses on the immigration and subsequent history of California’s different ethnic groups, exploring their interactions and the effects on the social, political, and economic development of the state. and • A course that articulates with [CSUC SOSC 303], Cultural Concepts: Human Social Evolution - A course in the fundamental concepts of human biological, social, and cultural evolution, comparatively studying the adaptation, social organization, religious and other ideological systems in contemporary non-Western societies. and • A course that articulates with [CSUC THEA 311], Children’s Literature in Performance - A course that develops skills for effective dramatization of literature in the elementary classroom or children’s theatre, including creative dramatics, storytelling, oral interpretation and group readings. 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Chico	15 units

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU Dominguez Hills Campus-Specific Pattern**

In addition to the statewide pattern, the following is the CSU Dominguez Hills campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN STAT 2], Elementary Statistics and Probability and • A course that articulates with [CAN MATH 12], Finite Math and • A course that articulates with [CAN ENGL 4], Appreciation of Literature and • A course that articulates with [CAN SPCH 6], Argumentation & Debate and • A course that articulates with [CAN SOC 4], Social Problems 	
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Dominguez Hills	14 units

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

In addition to the statewide pattern, the following is the CSU Dominguez Hills campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CAN STAT 2], Elementary Statistics and Probability and • A course that articulates with [CAN MATH 12], Finite Math and • A course that articulates with [CAN ENGL 4], Appreciation of Literature and • A course that articulates with [CAN SPCH 6], Argumentation & Debate and • A course that articulates with Astronomy 	
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Dominguez Hills	14 units

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU East Bay Campus-Specific Pattern**

In addition to the statewide pattern, the following is the CSU East Bay campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with a second composition course [CSUEB ENGL 1002, CAN ENGL 4], College Writing II - Further work in expository writing with emphasis on argumentation and persuasion. Introduction to the preparation and writing of the research paper. and • A course that articulates with an additional World Civilization course [CSUEB HIST 1015, CAN HIST 15 or 16], World Civilizations II - Ca. 800 to ca. 1700. Empires and civilizations: Sung China, Japan, West Africa, Byzantium, Abbasid Iraq and Islamic Spain, Aztecs and Incas, Christian Europe and feudalism. Eurasian migrations. European self-transformation and expansion. Monarchic states and market economies. Scientific revolution. and • A course that articulates with [CSUEB SOC 1000, CAN SOC 2], Introduction to Sociology - Introductory analysis of (a) the structure and functioning of human groups and (b) interrelations between groups; changes in (a) and (b). and • A course that articulates with [CSUEB ANTH 1300, CAN ANTH 4], Cultural Anthropology - Functional approaches to the 	0-15 units

<p>structure and dynamics of culture and society around the world; comparative study of human behavior and value systems in varied ecological settings. and</p> <ul style="list-style-type: none"> • A course that articulates with [CSUEB HSC 1100], Introduction to Health - Analysis and application of the Wellness concept for healthful living. Instruction in techniques and procedure for self-care, self-examination, emergency care and efficient utilization of the medical care system. 	
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU East Bay	14-15 units

In addition to the statewide pattern, the following is the CSU East Bay campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with a second composition course [CSUEB ENGL 1002, CAN ENGL 4], College Writing II - Further work in expository writing with emphasis on argumentation and persuasion. Introduction to the preparation and writing of the research paper. and • A course that articulates with an additional World Civilization course [CSUEB HIST 1015, CAN HIST 15 or 16], World Civilizations II - Ca. 800 to ca. 1700. Empires and civilizations: Sung China, Japan, West Africa, Byzantium, Abbasid Iraq and Islamic Spain, Aztecs and Incas, Christian Europe and feudalism. Eurasian migrations. European self-transformation and expansion. Monarchic states and market economies. Scientific revolution. and • A course that articulates with [CSUEB SOC 1000, CAN SOC 2], Introduction to Sociology - Introductory analysis of (a) the structure and functioning of human groups and (b) interrelations between groups; changes in (a) and (b). and • A course that articulates with [CSUEB ANTH 1300, CAN ANTH 4], Cultural Anthropology - Functional approaches to the structure and dynamics of culture and society around the world; comparative study of human behavior and value systems in varied ecological settings. and • A course that articulates with [CSUEB HSC 1100], Introduction to Health - Analysis and application of the Wellness concept for healthful living. Instruction in techniques and procedure for self-care, self-examination, emergency care and efficient utilization of the medical care system. 	0-15 units
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU East Bay	14-15 units

<p>methods, elementary probability and statistics; topics in geometry that include polygons, congruence and similarity, measurement, geometric transformations, coordinate geometry, and connections between numbers and geometry with selected applications. and</p> <ul style="list-style-type: none"> • A course that articulates with [CSUF LING 11], Introduction to Language - A course in the study of language--including its nature, structure, use, history, and acquisition--in order to understand the importance of language in human affairs and to appreciate its complexity and diversity. and <p>One of the following:</p> <ul style="list-style-type: none"> • A course that articulates with [CSUF CSCI 5], Computer and Application - An introduction to the computer: tools, applications, and graphics, with an overview of the components of computer systems; discussion on software systems, electronic mail, influence of computers on society and the future of computing. or • A course that articulates with [CSUF CSCI 7], Computer Literacy - An overview of the history of computing: a presentation of the components of computer hardware and software systems as well as a study of applications, programming, societal impact, and the future of computing. or • A course that articulates with [CSUF IS 52/52L], Computer Concepts with Lab - An introduction of computer hardware and software systems, impact of computers on society, ethical issues, and application of computer technology in many career fields. 	<p>0-3 units</p> <p>0-3 units</p>
<p>(2) Complete additional coursework to bring total to 60 transferable semester units</p>	<p>0-5 units</p>
<p>Total Semester Units Required for CSU Fresno</p>	<p>14 units</p>

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN CSU Fullerton Campus-Specific Pattern

Multiple majors are approved to participate in the CSU Fullerton Multiple Subject/Special Education Streamlined Teacher Education Program (STEP). In addition to the statewide pattern, the following is the CSU Fullerton campus-specific pattern for **Integrated Elementary Teacher Preparation with a major in Child & Adolescent Development**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with Children’s Literature and • A course that articulates with California History and • A course that articulates with an additional Math course that satisfies GE-Breath Area B4 <p>For the Child & Adolescent Development major, also complete:</p> <ul style="list-style-type: none"> • A course that articulates with Exceptional Individual and • A course that articulates with Sociology of the Child/Family <p><i>Note: Students enrolled in the Multiple Subject/Special Education Streamlined Teacher Education Program (STEP) are exempt from the second language graduation requirement. Students who gain this exemption by enrolling in STEP but then decide not to complete the program will be held to this graduation requirement.</i></p>	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-15 units
Total Semester Units Required for CSU Fullerton	14-15 units

In addition to the statewide pattern, the following is the CSU Fullerton campus-specific pattern for **Integrated Elementary Teacher Preparation with a major in Liberal Studies**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with Children’s Literature and • A course that articulates with California History and • A course that articulates with an additional Math course that satisfies GE-Breath Area B4 <p>For the Liberal Studies major, also complete:</p> <ul style="list-style-type: none"> • A course that articulates with Language Acquisition and • A course that articulates with Introduction to Liberal Studies <p><i>Note: Students enrolled in the Multiple Subject/Special Education Streamlined Teacher Education Program (STEP) are exempt from the second language graduation requirement. Students who gain this exemption by enrolling in STEP but then decide not to complete the program will be held to this graduation requirement.</i></p>	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-15 units
Total Semester Units Required for CSU Fullerton	14-15 units

In addition to the statewide pattern, the following is the CSU Fullerton campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete 14 units from the following:</p> <ul style="list-style-type: none"> • A course that articulates with Children’s Literature • A course that articulates with California History • A course that articulates with an additional B4 Mathematics course • A course that articulates with Language Acquisition <p><i>Note: As a graduation requirement from Cal State Fullerton, students will be required to demonstrate intermediate-level proficiency in a foreign language or American Sign Language. Transfer students are encouraged to acquire proficiency early in their course of studies. If possible, take foreign language or American Sign Language courses at the community college to meet this graduation requirement. For more complete information, visit our website at www.fullerton.edu/SecondLanguage.</i></p>	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Fullerton	14 units

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN Humboldt State University Campus-Specific Pattern

In addition to the statewide pattern, the following is the Humboldt State University campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<ul style="list-style-type: none"> • PENDING 	

In addition to the statewide pattern, the following is the Humboldt State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<ul style="list-style-type: none"> • PENDING 	

<ul style="list-style-type: none"> • A course that articulates with an additional C1 course in a discipline other than the C1 course used for the statewide pattern • A course that articulates with Ethics and • A course that articulates with California History – A course covering California from the 1500’s to the present, including immigration, cultural diversity, and significant social, political, and economic developments. 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Long Beach	15 units

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU Los Angeles Campus-Specific Pattern**

In addition to the statewide pattern, the following is the CSU Los Angeles campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CSULA ENGL 102], Composition II - A course that teaches students how to analyze, interpret, and synthesize diverse texts in order to construct a well-supported, researched, academic argument. and • A course that articulates with [CSULA MATH 225], Explorations in Geometry for Elementary and Middle School Teachers - A course that covers properties of two and three dimensional figures, measurement, constructions, structure, spatial relationships, transformations, and graph theory presented through multiple teaching modes. and • A course that articulates with [CSULA KIN 150], Fitness and Wellness in Contemporary Society -A course in understanding self as integrated physiological, psychological, and sociological being, with emphasis on the impact of sociocultural experiences and health-related fitness on the individual, society and the environment and • A course that articulates with [CSULA HIST 110B], World Civilization II - A comparative examination of world civilizations from 500 to 1700 CE. and • A course that articulates with [CSULA HIST 202A], United States Civilization - A course that covers the political, economic, social and cultural development of the U.S. from earliest settlement through the civil war. 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Los Angeles	15 units

In addition to the statewide pattern, the following is the CSU Los Angeles campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CSULA ENGL 102], Composition II – A course that teaches how to analyze, interpret, and synthesize diverse texts in order to construct a well-supported, researched, academic argument. and • A course that articulates with [CSULA KIN 150], Fitness and Wellness in Contemporary Society - A course in understanding self as integrated physiological, psychological, and sociological being, with emphasis on the impact of sociocultural experiences and health-related fitness on the individual, society and the environment. and • A course that articulates with [CSULA HIST 110B], World Civilization II - A comparative examination of world civilizations from 500 to 1700 CE. and • A course that articulates with [CSULA HIST 202A, CAN HIST 8], United States Civilization - A course that covers the political, economic, social and cultural development of the U.S. from earliest settlement through civil war. and • A course that articulates with [CSULA MATH 110], Foundations of the Real Number System for Elementary and Middle School Teachers - A course that covers integers and elementary number theory, rational numbers, decimals and percent, ratio and proportion, alternate bases, and word problems. Foundations of the Real Number System for Elementary and Middle School Teachers and • A course that articulates with [CSULA MATH 225], Explorations in Geometry for Elementary and Middle School teachers - A course that covers properties of two and three dimensional figures, measurement, constructions, structure, spatial relationships, transformations, and graph theory presented through multiple teaching modes. 	<p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p>
<p>(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units</p>	
<p style="text-align: center;">Total Semester Units Required for CSU Los Angeles</p>	<p style="text-align: center;">18 units</p>

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
California Maritime Academy Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Integrated Elementary Teacher Preparation or Non-Integrated Elementary Teacher Preparation.

Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU Monterey Bay Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU Monterey Bay campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • Courses that articulate with World Language Proficiency: Completion to the first semester of a second year of a foreign language at a community college or university and • A course that articulates with a Technology/Computer Skills Course and • Courses that articulate with Art to complete all four areas (music, art, dance, drama) 	0-8 units
	0-3 units
	0-6 units
(2) Complete additional coursework to bring total to 60 transferable semester units	0-14 units
Total Semester Units Required for CSU Monterey Bay	14 units

In addition to the statewide pattern, the following is the CSU Monterey Bay campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • Courses that articulate with World Language Proficiency: Completion to the first semester of a second year of a foreign language at a community college or university and • A course that articulates with a Technology/Computer Skills Course and • Courses that articulate with Art to complete all four areas (music, art, dance, drama) 	0-8 units
	0-3 units
	0-6 units
(2) Complete additional coursework to bring total to 60 transferable semester units	0-14 units
Total Semester Units Required for CSU Monterey Bay	14 units

Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU Northridge Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU Northridge campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:	

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

<ul style="list-style-type: none"> • A course that articulates with [CSUN ENGL 301], Introduction to Linguistics - An introduction to Linguistic science, its background, development, and relation to other fields of study; recent developments in the study of language. and • A course that articulates with Science Lab courses associated with Biology and Physical Science requirements in the statewide agreement and 	<p>0-3 units</p> <p>0-2 units</p>
<p>One of the following courses:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN PHIL 2], Introduction to Philosophy • A course that articulates with [CAN PHIL 8], History of Philosophy I, 1st Semester • A course that articulates with [CAN PHIL 10], History of Philosophy II, 2nd Semester • A course that articulates with [CSUN RS 100], Introduction to Religious Studies - An introduction to the study of religion including the elements of religion and the study of contemporary religious traditions. 	<p>0-3 units</p>
<p>A Concentration Course #1 from one of the following:</p> <ul style="list-style-type: none"> • <u>American Sign Language (ASL):</u> <ul style="list-style-type: none"> ○ Intermediate ASL, Semester 1 and Semester 2 will be required. ○ Intermediate ASL, Semester 1: Continuation of the study of the fundamentals of ASL - Comprehension skills, advanced grammatical structures, continued emphasis on production skills and aspects of Deaf culture. ○ Intermediate ASL, Semester 2: Emphasis on production/conversational skills in ASL along with continued focus on grammatical and cultural features. • <u>Art:</u> [CAN ART 8], Beginning Drawing • <u>Creative Writing:</u> [CAN ENGL 6], Creative Writing • <u>Ethnic Studies:</u> An overview of an ethnic group's culture in the U.S. including its history, social institutions, economics, politics, art, literature, and religion. • <u>Gender Studies:</u> Introduction to Women's Studies - Interdisciplinary study of women in American society, including such topics as social conditions, laws, symbols, values, communication, and power. • <u>General Science:</u> [CAN GEOG 12], Introduction to Weather and [CAN GEOL 2]; Climate Physical Geology w/Lab Human Anatomy w/Lab [CAN BIOL 10]; [CAN BIOL 12], Human Physiology w/Lab. A course in Principles of Chemistry or Physics will also be accepted. <ul style="list-style-type: none"> ○ Principles of Chemistry: 1-semester course based on a systematic, semi-empirical approach to the submicroscopic world of chemistry. Development of modern ideas concerning atomic and molecular structure, principles of compound formation, and chemical reactivity are emphasized. Selected topics in applied chemistry and the application of chemical principles to life and environmental sciences are explored. ○ Physics: Inquiry into the fundamental laws governing the 	<p>0-3 units</p>

<p style="text-align: center;">structure and behavior of the material universe.</p> <ul style="list-style-type: none"> • Math: [CAN MATH 18], Calculus, 1st Semester • Music: [CAN MUS 22], Class Piano I; [CAN MUS 24], Class Piano II • Social Sciences: [CAN ANTH 4]- Introduction to Cultural Anthropology [CAN PSY 2]; Introduction to Psychology [CAN SOC 2], Introduction to Sociology • Spanish (track #1): [CAN SPAN 10], Intermediate Spanish, 2nd Semester • Spanish (track #2): [CAN SPAN 8]; Intermediate Spanish, 1st Semester; [CAN SPAN 10], Intermediate Spanish, 2nd Semester • Theatre: [CAN DRAM 8]; Beginning Acting (for majors); [CAN DRAM 18], Introduction to Theatre 	
(2) Complete additional coursework to bring total to 60 transferable semester units	0-14 units
Total Semester Units Required for CSU Northridge	14 units

In addition to the statewide pattern, the following is the CSU Northridge campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CSUN ENGL 301], Introduction to Linguistics - An introduction to Linguistic science, its background, development, and relation to other fields of study; recent developments in the study of language. and • A course that articulates with Science Lab courses associated with Biology and Physical Science requirements in the statewide agreement and <p>One of the following courses:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN PHIL 2], Introduction to Philosophy • A course that articulates with [CAN PHIL 8], History of Philosophy I, 1st Semester • A course that articulates with [CAN PHIL 10], History of Philosophy II, 2nd Semester • A course that articulates with [CSUN RS 100], Introduction to Religious Studies - An introduction to the study of religion including the elements of religion and the study of contemporary religious traditions. <p>A Concentration Course #1 from one of the following:</p> <ul style="list-style-type: none"> • American Sign Language (ASL): <ul style="list-style-type: none"> ○ Intermediate ASL, Semester 1 and Semester 2 will be required. ○ Intermediate ASL, Semester 1: Continuation of the study of the fundamentals of ASL - Comprehension skills, advanced grammatical structures, continued emphasis on production skills and aspects of Deaf culture. ○ Intermediate ASL, Semester 2: Emphasis on production/conversational skills in ASL along with continued focus on grammatical and cultural features. 	<p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-2 units</p> <p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p>

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

<ul style="list-style-type: none"> • Art: [CAN ART 8], Beginning Drawing • Creative Writing: [CAN ENGL 6], Creative Writing • Ethnic Studies: An overview of an ethnic group’s culture in the U.S. including its history, social institutions, economics, politics, art, literature, and religion. • Gender Studies: Introduction to Women’s Studies - Interdisciplinary study of women in American society, including such topics as social conditions, laws, symbols, values, communication, and power. • General Science: [CAN GEOG 12], Introduction to Weather and [CAN GEOL 2]; Climate Physical Geology w/Lab Human Anatomy w/Lab [CAN BIOL 10]; [CAN BIOL 12], Human Physiology w/Lab. A course in Principles of Chemistry or Physics will also be accepted. <ul style="list-style-type: none"> ○ Principles of Chemistry: 1-semester course based on a systematic, semi- empirical approach to the submicroscopic world of chemistry. Development of modern ideas concerning atomic and molecular structure, principles of compound formation, and chemical reactivity are emphasized. Selected topics in applied chemistry and the application of chemical principles to life and environmental sciences are explored. ○ Physics: Inquiry into the fundamental laws governing the structure and behavior of the material universe. • Math: [CAN MATH 18], Calculus, 1st Semester • Music: [CAN MUS 22], Class Piano I; [CAN MUS 24], Class Piano II • Social Sciences: [CAN ANTH 4]- Introduction to Cultural Anthropology [CAN PSY 2]; Introduction to Psychology [CAN SOC 2], Introduction to Sociology • Spanish (track #1): [CAN SPAN 10], Intermediate Spanish, 2nd Semester • Spanish (track #2): [CAN SPAN 8]; Intermediate Spanish, 1st Semester; [CAN SPAN 10], Intermediate Spanish, 2nd Semester • Theatre: [CAN DRAM 8]; Beginning Acting (for majors); [CAN DRAM 18], Introduction to Theatre 	
(2) Complete additional coursework to bring total to 60 transferable semester units	0-14 units
Total Semester Units Required for CSU Northridge	14 units

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
Cal Poly Pomona Campus-Specific Pattern**

In addition to the statewide pattern, the following is the Cal Poly Pomona campus-specific pattern for **Integrated Elementary Teacher Preparation:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general	

<p>education and/or major preparation requirements), complete: Choose 14 units from among the following:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN HIST 16], Modern World History* • A course that articulates with [CAN HIST 8], Modern US History* • A course that articulates with an extra Science lab# • A course that articulates with an extra Science lab# • A course that articulates with Children’s Literature • A course that articulates with Linguistics/Language Acquisition • A course that articulates with Health for Teachers • A course that articulates with PE for Teachers • A course that articulates with Intro to Liberal Studies • A course that articulates with Intro to Ethnic Studies • Courses that articulate with additional Math courses • Courses that articulate with additional Fine Arts courses • A course that articulates with Pedagogical Foundations • A course that articulates with Education in a Diverse Society <p>*Both or neither must be counted among the extra 14 units for LDTP purposes except if all of Domain 1 and/or Domain 2 is covered in a single course which meets statewide LDTP requirements.</p> <p>#Both or neither must be counted amongst the extra 14 units for LDTP purposes.</p>	<p>0-3 units</p> <p>0-3 units</p> <p>0-1 unit</p> <p>0-1 unit</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-6 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for Cal Poly Pomona	14 units

In addition to the statewide pattern, the following is the Cal Poly Pomona campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: Choose 14 units from among the following:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN HIST 16], Modern World History* • A course that articulates with [CAN HIST 8], Modern US History* • A course that articulates with an extra Science lab# • A course that articulates with an extra Science lab# • A course that articulates with Children’s Literature • A course that articulates with Linguistics/Language Acquisition • A course that articulates with Health for Teachers • A course that articulates with PE for Teachers • A course that articulates with Intro to Liberal Studies • A course that articulates with Intro to Ethnic Studies • Courses that articulate with additional Math courses • Courses that articulate with additional Fine Arts courses • A course that articulates with Pedagogical Foundations 	<p>0-3 units</p> <p>0-3 units</p> <p>0-1 unit</p> <p>0-1 unit</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-6 units</p> <p>0-3 units</p> <p>0-3 units</p>

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<ul style="list-style-type: none"> • A course that articulates with Education in a Diverse Society <p>*Both or neither must be counted among the extra 14 units for LDTP purposes except if all of Domain 1 and/or Domain 2 is covered in a single course which meets statewide LDTP requirements.</p> <p>#Both or neither must be counted amongst the extra 14 units for LDTP purposes.</p>	0-3 units
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for Cal Poly Pomona	14 units

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN CSU Sacramento Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU Sacramento campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CSUS CHDV 35F], Human Development and Elementary Field Experience - A directed field experience in an elementary school setting, including the integration of student field experiences with theory and research in Human Development and • A course that articulates with [CSUS ECON 104], Introduction to the U.S. Economy - A survey of the principles of economics, basic methods of economic analysis, and their application to public policy and current events. and • A course that articulates with [CSUS HIST 132], Topics in World History - A course that examines world history from a topical perspective, focusing on large themes and trends. and • A course that articulates with [CSUS GEOL 8T], Earth Science Lab - Exploration of the solid Earth, its atmosphere and oceans, and the Earth's place in the solar system. Emphasizes learning Earth science through investigation, and uses Earth science to understand the processes of science. and • A course that articulates with [CSUS ART 133], Understanding and Creating Art - A course that covers the components of visual arts education found in the California Visual and Performing Arts Framework; exploration of five major areas: artistic perception, creative expression, historical and cultural contexts, aesthetic valuing, and the connections and relationships between the visual arts and other disciplines. and • A course that articulates with [CSUS FACS 50], The Family and Social Issues - A course that covers family structure, systems and functioning in marriage and other partnerships, parenting, work 	<p>0-2 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-1 unit</p> <p>0-3 units</p> <p>0-3 units</p>

issues, domestic violence, divorce, and remarriage, with focus on social issues including gender, race, ethnicity, and class.	
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Sacramento	15 units

In addition to the statewide pattern, the following is the CSU Sacramento campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CSUS CHDV 35F], Human Development and Elementary Field Experience - A directed field experience in an elementary school setting, including the integration of student field experiences with theory and research in Human Development and • A course that articulates with [CSUS ECON 104], Introduction to the U.S. Economy - A survey of the principles of economics, basic methods of economic analysis, and their application to public policy and current events. and • A course that articulates with [CSUS HIST 132], Topics in World History - A course that examines world history from a topical perspective, focusing on large themes and trends. and • A course that articulates with [CSUS GEOL 8T], Earth Science Lab - Exploration of the solid Earth, its atmosphere and oceans, and the Earth's place in the solar system. Emphasizes learning Earth science through investigation, and uses Earth science to understand the processes of science. and • A course that articulates with [CSUS ART 133], Understanding and Creating Art - A course that covers the components of visual arts education found in the California Visual and Performing Arts Framework; exploration of five major areas: artistic perception, creative expression, historical and cultural contexts, aesthetic valuing, and the connections and relationships between the visual arts and other disciplines. and • A course that articulates with [CSUS FACS 50], The Family and Social Issues - A course that covers family structure, systems and functioning in marriage and other partnerships, parenting, work issues, domestic violence, divorce, and remarriage, with focus on social issues including gender, race, ethnicity, and class. 	<p>0-2 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-1 unit</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Sacramento	15 units

Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
CSU San Bernardino Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU San Bernardino campus-specific pattern for **Integrated Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CSUSB HIST 270], California History - Cultural and political history of California from pre-Columbian times to the present. Topics will include Native cultures, Spanish colonization, the mission system, Mexican rule, the Mexican war, the gold rush, the state constitution, Progressive-era political reforms, and immigration. and • A course that articulates with a foreign language course and • A course that articulates with [CSUSB HSCI 100], Concepts in Health - Course content is formulated for those planning a career in K-12 education, including: psychosocial health and family life; alcohol, tobacco and other drugs; nutrition; chronic and communicable disease; consumer health; and environmental health. Standards and guidelines for coordinated school health programs and comprehensive health education are introduced. and • A course that articulates with [CSUSB PHIL 190, CAN PHIL 2], Introduction to Philosophical Issues - An introduction to philosophical thinking by means of reading, discussing and writing about selected philosophical works. Students are encouraged to develop their own philosophical views in a critical exchange with the views of the philosophers studied. and • A course that articulates with [CSUSB CSCI 129, CAN CSCI 2], Science, Computing and Society - Understanding physical science in terms of information and information processing. Use of computer as both a tool and metaphor for understanding life, physics, and existence, and its implications and impact on society and ethics. and • A course that articulates with [CSUSB KINE 114], Physical Fitness and Conditioning Activities - Principles, practices and individual evaluation in a variety of fitness and conditioning activities. 	<p>0-4 units</p> <p>0-4 units 0-2 units</p> <p>0-4 units</p> <p>0-2 units</p> <p>0-2 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units.	
Total Semester Units Required for CSU San Bernardino	14-18 units

Subject Matter Preparation for Elementary Teaching

LOWER-DIVISION TRANSFER PATTERN

San Diego State University Campus-Specific Pattern

In addition to the statewide pattern, the following is the San Diego State University campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [SDSU MATH 211], Geometry in Elementary Mathematics A course that covers two and three dimensional shapes and interrelationships, congruence, similarity and proportional reasoning, measurement of length, angle size, area, volume, metric system, and problem solving. and • A course that articulates with a hands-on arts course selected from: <ul style="list-style-type: none"> ○ A course that articulates with [SDSU MUSIC 102], Basic Musicianship for Non-Music Majors - A course in rudimentary music theory involving the elements of music: melody, rhythm, and harmony; developing the understanding of these elements through instrumental and vocal experiences. or ○ A course that articulates with [SDSU DANCE 102], Elements of Dance for Non-Dance Majors - A course that develops an understanding of elements of dance: time, space, dynamics, and intention, and covers the relationship to national and state educational standards. • A course that articulates with a Humanities course which qualifies for General Education selected from: <ul style="list-style-type: none"> ○ A second semester (or higher) course in one foreign language if three (or more) years of one foreign language was not completed in high school. <p style="margin-left: 20px;">If three (or more) years of one foreign language was completed in high school, then complete:</p> <ul style="list-style-type: none"> ○ [SDSU PHIL 101], Introduction to Philosophy: Ethics - A course in philosophical inquiry, with emphasis on problems of moral value, encouraging independent thought and tentative conclusions concerning a variety of vital contemporary issues facing individuals and society. ○ [SDSU REL S 101], World Religions - A course that covers major world and selected tribal traditions from primal times to present, with a broad historical development and philosophical overview. ○ [SDSU RELS 103], American Religious Diversity - A course that studies the religious identities and traditions of diverse peoples living in the U.S.; also covering major world religions in context of contemporary multicultural America and religions of indigenous peoples and religious movements which have arisen in the U.S. • A course that articulates with [SDSU MTHED 212], Children's 	<p>0-3 units</p> <p>0-3 units</p> <p>0-4 units</p> <p>0-2 units</p>

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<p>Mathematical Thinking - A course in children’s mathematical thinking and in-depth analyses of children’s understanding of operations (addition, subtraction, multiplication, and division) and place value.</p> <ul style="list-style-type: none"> • A course that articulates with Science Lab • A course that articulates with [SDSU ENS 241A], Physical Education of Children-Theory -A course in the theoretical and scientific bases for the physical education of elementary school-aged children. and [SDSU ENS 241B], Physical Education of Children-Activity - A course in the instruction and activities for the physical education of elementary school-aged children. • A course that articulates with [SDSU HHS 280], Health Education for Teachers - A course that articulates with a course that covers topics designated in health framework for California; infusing health topics in the K-12 general curriculum. <p><u>IMPACTION CRITERIA</u></p> <p>The Integrated Teacher Preparation/Liberal Studies major is an impacted program. To be admitted to this major, students must meet the following criteria:</p> <p>Complete the following courses with a grade of “C” or higher and have a cumulative GPA of 2.50 or higher. These courses cannot be taken for credit/no credit (Cr/NC):</p> <ul style="list-style-type: none"> • A course that articulates with a certified Area A1 Oral Communication course • A course that articulates with a certified Area A3 Intermediate Composition and Critical Thinking course • A course that articulates with [SDSU ENS 241A], Physical Education of Children-Theory -A course in the theoretical and scientific bases for the physical education of elementary school-aged children. and • A course that articulates with [SDSU ENS 241B], Physical Education of Children-Activity - A course in the instruction and activities for the physical education of elementary school-aged children. • A course that articulates with [SDSU MATH 210], Number Systems in Elementary Mathematics - Number sense, operation concepts, estimation, mental arithmetic, algorithms, problem solving, whole, rational, real numbers, ratio, and number theory. and • A course that articulates with [SDSU MATH 211], Geometry in Elementary Mathematics A course that covers two and three dimensional shapes and interrelationships, congruence, similarity and proportional reasoning, measurement of length, angle size, area, volume, metric system, and problem solving. 	<p>0-1 unit 0-3 units</p> <p>0-3 units</p>
<p>(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units.</p>	
<p>Total Semester Units Required for San Diego State University</p>	<p>14-19 units</p>

In addition to the statewide pattern, the following is the San Diego State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [SDSU MATH 211], Geometry in Elementary Mathematics A course that covers two and three dimensional shapes and interrelationships, congruence, similarity and proportional reasoning, measurement of length, angle size, area, volume, metric system, and problem solving. and • A course that articulates with a hands-on arts course selected from: <ul style="list-style-type: none"> ○ A course that articulates with [SDSU MUSIC 102], Basic Musicianship for Non-Music Majors - A course in rudimentary music theory involving the elements of music: melody, rhythm, and harmony; developing the understanding of these elements through instrumental and vocal experiences. or ○ A course that articulates with [SDSU DANCE 102], Elements of Dance for Non-Dance Majors - A course that develops an understanding of elements of dance: time, space, dynamics, and intention, and covers the relationship to national and state educational standards. • A course that articulates with a Humanities course which qualifies for General Education selected from: <ul style="list-style-type: none"> ○ A second semester (or higher) course in one foreign language if three (or more) years of one foreign language was not completed in high school. <p>If three (or more) years of one foreign language was completed in high school, then complete:</p> <ul style="list-style-type: none"> ○ [SDSU PHIL 101], Introduction to Philosophy: Ethics - A course in philosophical inquiry, with emphasis on problems of moral value, encouraging independent thought and tentative conclusions concerning a variety of vital contemporary issues facing individuals and society. ○ [SDSU REL S 101], World Religions - A course that covers major world and selected tribal traditions from primal times to present, with a broad historical development and philosophical overview. ○ [SDSU RELS 103], American Religious Diversity - A course that studies the religious identities and traditions of diverse peoples living in the U.S.; also covering major world religions in context of contemporary multicultural America and religions of indigenous peoples and religious movements which have arisen in the U.S. • A course that articulates with [SDSU MTHED 212], Children’s Mathematical Thinking - A course in children’s mathematical thinking and in-depth analyses of children’s understanding of operations (addition, subtraction, multiplication, and division) and place value. • A course that articulates with Science Lab • A course that articulates with [SDSU ENS 241A], Physical 	<p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-3 units</p> <p style="text-align: center;">0-4 units</p> <p style="text-align: center;">0-2 units</p> <p style="text-align: center;">0-1 unit</p> <p style="text-align: center;">0-3 units</p>

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

<p>Education of Children-Theory -A course in the theoretical and scientific bases for the physical education of elementary school-aged children. and [SDSU ENS 241B], Physical Education of Children-Activity - A course in the instruction and activities for the physical education of elementary school-aged children.</p> <ul style="list-style-type: none"> • A course that articulates with [SDSU HHS 280], Health Education for Teachers - A course that articulates with a course that covers topics designated in health framework for California; infusing health topics in the K-12 general curriculum. <p><u>IMPACTION CRITERIA</u></p> <p>The Integrated Teacher Preparation/Liberal Studies major is an impacted program. To be admitted to this major, students must meet the following criteria:</p> <p>Complete the following courses with a grade of “C” or higher and have a cumulative GPA of 2.50 or higher. These courses cannot be taken for credit/no credit (Cr/NC):</p> <ul style="list-style-type: none"> • A course that articulates with a certified Area A1 Oral Communication course • A course that articulates with a certified Area A3 Intermediate Composition and Critical Thinking course • A course that articulates with [SDSU ENS 241A], Physical Education of Children-Theory -A course in the theoretical and scientific bases for the physical education of elementary school-aged children. and • A course that articulates with [SDSU ENS 241B], Physical Education of Children-Activity - A course in the instruction and activities for the physical education of elementary school-aged children. • A course that articulates with [SDSU MATH 210], Number Systems in Elementary Mathematics - Number sense, operation concepts, estimation, mental arithmetic, algorithms, problem solving, whole, rational, real numbers, ratio, and number theory. and • A course that articulates with [SDSU MATH 211], Geometry in Elementary Mathematics A course that covers two and three dimensional shapes and interrelationships, congruence, similarity and proportional reasoning, measurement of length, angle size, area, volume, metric system, and problem solving. 	<p>0-3 units</p>
<p>(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units.</p>	
<p>Total Semester Units Required for San Diego State University</p>	<p>14-19 units</p>

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN San Francisco State University Campus-Specific Pattern

In addition to the statewide pattern, the following is the San Francisco State University campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 2, SFSU ENG 114], College Composition, 1st semester - Training in expository-argumentative composition, emphasizing work on clear and effective sentences and the organization and development of paragraph and essay. and • A course that articulates with [CAN ENGL 4, SFSU ENG 214], College Composition and Literature, 2nd semester - Expository-argumentative composition and critical reading skills through the study of literature; special attention to logic, style, and rhetoric. and • A course that articulates with [CAN STAT 2], Introduction to Statistics and • A course that articulates with [SFSU HIST 450], History of California - A course in the history of California through the Spanish and early American periods to the present. and • A course that articulates with [SFSU H ED 310], Health in Society - A course that covers major health issues/problems of individuals and society; prevention and the validity of current health beliefs; nutrition, mental health, sexuality, environmental health, communicable and chronic diseases, consumerism, stress, and aging. and • A course that articulates with [SFSU KIN 401], Elementary School Physical Education - A course in movement, fitness, and skill programs for children, covering objectives, organization, and conduct of successful physical education programs. 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units.	
Total Semester Units Required for San Francisco State University	18 units

In addition to the statewide pattern, the following is the San Francisco State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 2, SFSU ENG 114], College Composition, 1st semester - Training in expository-argumentative composition, emphasizing work on clear and effective sentences and the organization and development of paragraph and essay. and • A course that articulates with [CAN ENGL 4, SFSU ENG 214], 	<p>0-3 units</p> <p>0-3 units</p>

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

<p>College Composition and Literature, 2nd semester - Expository-argumentative composition and critical reading skills through the study of literature; special attention to logic, style, and rhetoric. and</p> <ul style="list-style-type: none"> • A course that articulates with [CAN STAT 2], Introduction to Statistics and • A course that articulates with [SFSU HIST 450], History of California - A course in the history of California through the Spanish and early American periods to the present. and • A course that articulates with [SFSU H ED 310], Health in Society - A course that covers major health issues/problems of individuals and society; prevention and the validity of current health beliefs; nutrition, mental health, sexuality, environmental health, communicable and chronic diseases, consumerism, stress, and aging. and • A course that articulates with [SFSU KIN 401], Elementary School Physical Education - A course in movement, fitness, and skill programs for children, covering objectives, organization, and conduct of successful physical education programs. 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units.	0-5 units
Total Semester Units Required for San Francisco State University	14-18 units

**Subject Matter Preparation for Elementary Teaching
LOWER-DIVISION TRANSFER PATTERN
San Jose State University Campus-Specific Pattern**

In addition to the statewide pattern, the following is the San Jose State University campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with Introductory Survey of Psychology and • A course that articulates with [SJSU ChAD 67], The Development of Human Potential - Examines the interaction of psychosocial, cognitive, psychomotor, and physical attributes as related to the development and realization of human potential across the lifespan in a contemporary multicultural society. or equivalent lifespan development course and • A course that articulates with [CAN ENGL 4], Second Semester English Composition or equivalent transferable second semester composition course and • Two units of physical education 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-2 units</p>
(2) If additional coursework is needed to reach a total of 60 units, take ECE electives or any other transferable courses as free electives. Strongly recommend is a course in California history and/or children's literature.	0-14 units

Total Semester Units Required for San Jose State University	14 units
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In addition to the statewide pattern, the following is the San Jose State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation for the program in Child & Adolescent Development Plan A:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 4], a Second Semester English Composition. Must be passed with a grade of C or higher • A course that articulates with Physical Education and • A course that articulates with Introductory Survey of Psychology and • A course that articulates with [CAN STAT 2], Introduction to Statistics or A course that articulates with equivalent transferable course in Statistics and Probability (Statistics is required in addition to any B4 math concepts course) and • A course that articulates with [SJSU ChAD 67], The Development of Human Potential - A course that examines the interaction of psychosocial, cognitive, psychomotor, and physical attributes as related to the development and realization of human potential across the lifespan in a contemporary multicultural society. or equivalent lifespan development course. 	<p>0-3 units</p> <p>0-2 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-9 units
Total Semester Units Required for the Child & Adolescent Development Program at San Jose State University	14 units

In addition to the statewide pattern, the following is the San Jose State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation for the program in Liberal Studies:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 4], Second Semester English Composition. Must be passed with a grade of C or higher • A course that articulates with Physical Education and • A course that articulates with a second C1 course in a different disciplinary area and • A course that articulates with [SJSU PSYCH 82], Child Psychology - Psychological development of children from conception to adolescence. Observation required. 	<p>0-3 units</p> <p>0-2 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-3 units
Total Semester Units Required for the Liberal Studies Program at San Jose State University	14 units

In addition to the statewide pattern, the following is the San Jose State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation for the program in Natural Science:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 4], Second Semester English Composition. Must be passed with a grade of C or higher • A course that articulates with Physical Education and • A course that articulates with [SJSU CHEM 30B], Introductory Chemistry - A course in organic compounds produced both in nature and artificially and the reactions they undergo, particularly in the human. and • A course that articulates with [SJSU BIOL 1], Plant Biology - A course that covers plant structure, function, reproduction and environmental adaptations; evolutionary relationships among plant groups; cell cycles and cell division, Mendelian genetics, membrane transport and the scientific method. 	<p>0-3 units</p> <p>0-2 units</p> <p>0-3 units</p> <p>0-4 units</p>
(2) Complete additional coursework to bring total to 60 transferable semester units	0-12 units
Total Semester Units Required for the Natural Science Program at San Jose State University	14 units

In addition to the statewide pattern, the following is the San Jose State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation for the program in Social Sciences:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 4], Second Semester English Composition. Must be passed with a grade of C or higher • A course that articulates with Physical Education and • A course in Area C1 or C2 and Either: <ul style="list-style-type: none"> • Courses that articulate with [SJSU HIST 15A and 15B], U.S. History and Government - Courses that treat the essentials of U.S. history and politics. or <ul style="list-style-type: none"> • Courses that articulate with [SJSU AAS 33A and 33B], Asian Americans in the United States Historical and Political Process - Courses in the historical and political factors which shaped the culture, institutions and society of America; the role of workers, immigrants and people of color, with Asian Americans as a particular focus. 	<p>0-3 units</p> <p>0-2 units</p> <p>0-3 units</p> <p>0-6 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for the Social Sciences Program at San Jose State University	14 units

In addition to the statewide pattern, the following is the San Jose State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation for the program in Creative Arts:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CAN ENGL 4], Second Semester English Composition. Must be passed with a grade of C or higher • A course that articulates with Physical Education and • A course that articulates with [SJSU MUS 10B], Introduction to Music - A course in beginning piano playing as a means to understanding music; listening skills developed through exposure to a variety of music: Popular/classical, old/new, Western/non-Western. and • A course that articulates with [SJSU ART 12], Two-Dimensional Design Concepts - A course that covers theories and applications of two-dimensional form in visual art and design. and • A course that articulates with an additional C1 course 	0-3 units 0-2 units 0-3 units 0-3 units 0-3 units
(2) Complete additional coursework to bring total to 60 transferable semester units	0-9 units
Total Semester Units Required for the Creative Arts program at San Jose State University	14 units

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN Cal Poly San Luis Obispo Campus-Specific Pattern

In addition to the statewide pattern, the following is the Cal Poly San Luis Obispo campus-specific pattern for **Integrated Elementary Teacher Preparation:**

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with any CSU GE certified Life science, Botany, or Anatomy course (4-8 units beyond the 4 in the statewide LDTP) and • A course that articulates with any CSU GE certified Physics, Chemistry, Geology or Astronomy course (4-8 units beyond the 4 in the statewide LDTP) and • A course that articulates with any CSU GE certified B4 Math or Statistics course (4 units beyond the 4 in the statewide LDTP) 	0-8 units 0-8 units 0-4 units
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for Cal Poly San Luis Obispo	16 units

In addition to the statewide pattern, the following is the Cal Poly San Luis Obispo campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with any CSU GE certified Life science, Botany, or Anatomy course (4-8 units beyond the 4 in the statewide LDTP) and • A course that articulates with any CSU GE certified Physics, Chemistry, Geology or Astronomy Course (4-8 units beyond the 4 in the statewide LDTP) and • A course that articulates with any CSU GE certified B4 Math or Statistics course (4 units beyond the 4 in the statewide LDTP) 	0-8 units 0-8 units 0-4 units
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units.	
Total Semester Units Required for Cal Poly San Luis Obispo	16 units

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN CSU San Marcos Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU San Marcos campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with [CSUMB MATH 212], Mathematics for K-8 Teachers II: Geometry, Measurement, and Reasoning - A course designed to reinforce mathematical concepts for those teaching in grades K-8, with emphasis on patterns and functional relationships; geometric concepts in two- and three-dimensional space; problem-solving strategies; appropriate use of technology; historical/cultural perspectives. and • A course that articulates with [CSUMB LING 100], English Syntax and Grammar - A course in the English grammatical system with emphasis on how structures pattern together to form the English grammar system. Attention to integrating sentences into their logical and rhetorical contexts. Identifying and understanding source of sentence-level writing problems. and • A course that articulates with [CSUMB PE 203], Physical Education for Elementary School Children - A survey of physical education programs for elementary school children. Addresses the role of, and need for, physical education programs at the elementary school level; examines the standard content of physical education instruction; and develops skills in applying that content in the elementary school setting. and • A course that articulates with Visual and Performing Arts Studio 	0-3 units 0-3 units 0-3 units 0-3 units

<p>children and young adolescents, e.g., family, race, socioeconomic factors, sex and gender and</p> <ul style="list-style-type: none"> • A course that articulates with a foreign language course and • A course that articulates with a Language and Linguistics course that studies the nature and structure of language; child language acquisition; language in its social setting; language and culture; language change; applications of the science of linguistics and • A course that articulates with an additional survey of art, music, dance or theatre or A course that articulates with a C.1 course that combines 2 or more areas; not previously covered by a course taken to fulfill the statewide pattern C.1 course and • A course that articulates with an Ethnic Studies course 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for the Liberal Studies Integrated Elementary Teacher Prep Program at Sonoma State University	15 units

In addition to the statewide pattern, the following is the Sonoma State University campus-specific pattern for the Chicano/Latino Studies Integrated Elementary Teacher Preparation program.

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with an additional Child Development course that focuses on socio-cultural factors in the development of children and young adolescents, e.g., family, race, socioeconomic factors, sex and gender and • A course that articulates with an Intermediate-level Spanish language course and • A course that articulates with a Language and Linguistics course that studies the nature and structure of language; child language acquisition; language in its social setting; language and culture; language change; applications of the science of linguistics and • A course that articulates with California history and/or world geography course. <p>Recommended:</p> <ul style="list-style-type: none"> • A course that articulates with an ethnic studies course, and • A course that articulates with an additional survey of art, music, dance or theatre or A course that articulates with a C.1 course that combines 2 or more areas 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for the Chicano/Latino Studies Integrated Teacher Prep program Sonoma State University	15 units

In addition to the statewide pattern, the following is the Sonoma State University campus-specific pattern for **Non-Integrated Elementary Teacher Preparation Program**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with an additional Child Development course that focuses on socio-cultural factors in the development of children and young adolescents, e.g., family, race, socioeconomic factors, sex and gender and • A course that articulates with a foreign language course and • A course that articulates with a Language and Linguistics course that studies the nature and structure of language; child language acquisition; language in its social setting; language and culture; language change; applications of the science of linguistics and • A course that articulates with an additional survey of art, music, dance or theatre or A course that articulates with a C.1 course that combines two or more areas not previously covered by a course taken to fulfill the Multiple Subject LDTP C.1 course and • A course that articulates with an Ethnic Studies course 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for Sonoma State University	15 units

Subject Matter Preparation for Elementary Teaching LOWER-DIVISION TRANSFER PATTERN CSU Stanislaus Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU Stanislaus campus-specific pattern for **Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
<p>(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete:</p> <ul style="list-style-type: none"> • A course that articulates with a Computer Science course and • A course that articulates with California History and • A course that articulates with Children’s Literature or a philosophy/humanities survey and • A course that articulates with a second math course [CSUST MATH 1040], Elementary Foundations of Mathematics II - Functions and graphs, elementary probability and statistics, Euclidean geometry, measure, and introduction to analytic geometry. and • A course that articulates with an additional field experience course and • A course that articulates with an additional science lab (physical and life science labs) 	<p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-3 units</p> <p>0-1 unit</p>
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	

CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

Total Semester Units Required for CSU Stanislaus	15-16 units
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In addition to the statewide pattern, the following is the CSU Stanislaus campus-specific pattern for **Non-Integrated Elementary Teacher Preparation**:

Campus-Specific Pattern	Semester Unit Requirement
(1) If not taken as part of the statewide pattern (including general education and/or major preparation requirements), complete: <ul style="list-style-type: none"> • A course that articulates with a Computer Science course and 0-3 units • A course that articulates with California History and 0-3 units • A course that articulates with Children’s Literature or 0-3 units A course that articulates with a philosophy/humanities survey and • A course that articulates with a second math course and 0-3 units • A course that articulates with an additional field experience course and 0-3 units • A course that articulates with an additional science lab (physical and life science labs) and 0-1 unit • A course that articulates with World history (to 1500) in GE-Breadth Area D or C 0-3 units 	
(2) Complete additional coursework, if necessary, to bring total to 60 transferable semester units	
Total Semester Units Required for CSU Stanislaus	18-19 units