

## Family and Consumer Sciences

### Subject Matter Requirements for a Single Subject Credential in Home Economics

#### 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 plan to major in Family Consumer Sciences at any CSU campus offering the major includes:

- Completion of lower-division general education requirements, following either the CSU General Education Breadth (GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern;
- Completion of the CSU graduation requirements in United States History, Constitution and American Ideals; and
- Completion of additional coursework and semester units as specified below in (3) and (4).

Please note that the information here is an academic and curricular advising tool: a roadmap that enables transfer student 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 impaction criteria (see <http://www.calstate.edu/AR/impactioninfo.shtml>). These curricular guidelines are subject to change.

CSU Statewide Pattern	Semester Unit Requirement
<p><b>(1) Complete lower-division general education requirements.</b></p> <p>Obtain a certification of completion of CSU GE Breadth or IGETC by the California Community College before transferring to a CSU campus. While completing general education, follow the course pattern stated below.</p> <p><i>A minimum grade of C is required in courses used to meet CSU GE Breadth AREAS A and B4.</i>  <i>A minimum grade of C is required in each course used for IGETC.</i></p>	<p><b>39 units for CSU GE Breadth</b>  <i>or</i>  <b>37 units for IGETC</b></p>
<p><b>(2) Complete the graduation requirements in United States History, Constitution, and American Ideals.</b></p> <p>These are typically completed with one course each in American government and American history, or a sequence of courses that integrate the history and government topics.</p>	<p><b>0-6 units</b></p>
<p><b>(3) Complete a course in Nutrition [CAN FCS 2].</b></p> <p><i>A minimum grade of C is required in courses used to satisfy this requirement.</i></p>	<p><b>0-3 units</b></p>
<p><b>(4) Complete a course in Principles of Foods, with lab [CAN FCS 8].</b></p> <p><i>A minimum grade of C is required in courses used to satisfy this requirement.</i></p>	<p><b>0-3 units</b></p>
<p><b>Total Semester Units Required for Statewide LDTP Pattern.</b></p>	<p><b>37-51 units</b></p>



<p>loving will also be discussed. Topics include the nature of love, awareness, emotional needs, fears, communication, conflict, values, beliefs, expectations, freedom, and responsibility. <u>And</u></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUF CFS 38], Life Span Development</b> - Study of basic theories, research, applications, and principles of physical, cognitive, and psychosocial development from conception to death, presented in an integrated manner in the context of the family in a diverse society. Includes behavior, sexuality, nutrition, health, stress, environmental relationships, and implications of death and dying. <u>And</u></li> <li>• <b>A course that articulates with [CSUF CFS 39], Introduction to Child and Adolescent Development</b> - The interdisciplinary study of physical, social, emotional, and intellectual development from conception through adolescence. The family and broader cultural environments provide the context for the study. Topics include historical views of children, developmental theories, research methodology, and patterns of growth. <u>And</u></li> <li>• <b>A course that articulates with [CSUF HS 91], Introduction to Human Sexuality</b> - Physiological, psychological, social, cultural, and developmental considerations for lifelong understand related to sexuality.</li> <li>• <b>A course that articulates with [CSUF AGECE 76], Agribusiness Microcomputer Applications</b>- Applied microcomputing for agribusiness management; use of spreadsheet, database management, and presentation software; applications to basic farm accounting and financial budgeting, farm production recordkeeping, crop and livestock enterprise management and commodity price trend pricing.</li> </ul>	<p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p>
<p><b>(2) If not taken as part of the statewide pattern complete at least one of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUF ACCT 3], Essentials of Accounting</b>- Basic concepts in preparation of business financial statements; introduction to understanding, analyzing, and interpreting accounting data by investors, managers, and creditors for decision making, planning, and control. <u>Or</u></li> <li>• <b>A course that articulates with [CSUF ACCT 4A], Financial Accounting Principles and Systems</b>- Financial accounting; accounting statements, transaction analysis, and data accumulation; partnership and corporation accounting.</li> </ul>	<p><b>0-3 units</b></p>
<p><b>(3) If not taken as part of the statewide pattern complete at least one of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUF AGECE 1], Introductory Agricultural Economics</b>- Micro-economic principles of resource allocation, production, cost, and market price equilibrium with primary application to farms and agribusinesses. Supply and demand in commodity pricing under perfect and imperfect competition. Optimizing single variable input production function; total marginal approaches to profit maximizing output. <u>Or</u></li> <li>• <b>A course that articulates with [CSUF ECON 40], Principles of Microeconomics.</b></li> </ul>	<p><b>0-3 units</b></p>
<p><b>(4) If necessary, complete additional coursework to bring total to 60 transferable semester units.</b></p>	

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
CSU Fullerton Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
Humboldt State University Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
CSU Long Beach Campus-Specific Pattern**

In addition to the statewide pattern, the following is the CSU Long Beach campus-specific pattern for the B.A. in Family and Consumer Sciences with Option in Family and Consumer Sciences Education:

Campus-Specific Pattern	Semester Unit Requirement
<p><b>(1) If not taken as part of the statewide pattern, complete <u>all</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• A course that articulates with [CSULB CDFS 211], <b>Guiding Young Children.</b> <u>And</u></li> <li>• A course that articulates with [CSULB FMD 154], <b>Fundamentals of Apparel Production.</b> <u>And</u></li> <li>• A course that articulates with [CSULB FMD 253], <b>Introductory Textiles.</b> <u>And</u></li> <li>• A course that articulates with [CSULB HFHM 275], <b>Food Production Systems I.</b> <u>And</u></li> <li>• A course that articulates with [CSULB PSY 100], <b>General Psychology.</b></li> </ul>	<p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p>
<p><b>(2) If possible, complete the following courses as part of CSU GE Breadth:</b></p> <ul style="list-style-type: none"> <li>• Complete <u>one</u> of the following: <ul style="list-style-type: none"> <li>○ A course that articulates with [CSULB SOC 100], <b>Principles of Sociology.</b> <u>Or</u></li> <li>○ A course that articulates with [CSULB ANTH 120], <b>Introduction to Cultural Anthropology.</b> <u>And</u></li> </ul> </li> <li>• A course that articulates with [CSULB CHEM 100], <b>Chemistry and Today's World.</b> <u>And</u></li> <li>• A course that articulates with [CSULB COMM 130], <b>Essentials of Public Speaking.</b></li> </ul> <p><i>Requirements not met prior to transferring must be completed as CSULB.</i></p>	
<p><b>(3) If necessary, complete additional coursework to bring total to 60 transferable semester units.</b></p> <p><u>Recommended Courses:</u></p> <ul style="list-style-type: none"> <li>• A course that articulates with [CSULB HFHM 173], <i>Applied Foodservice Sanitation.</i></li> <li>• A course that articulates with [CSULB CAFF 223], <i>Personal and Family Financial Management.</i></li> <li>• A course that articulates with [CSULB CAFF 226], <i>Consumer Life Skills.</i></li> <li>• A course that articulates with [CSULB FMD 251], <i>Professional and Personal Apparel Selection.</i></li> <li>• A course that articulates with [CSULB FCSE 296], <i>Computer Applications for Family and Consumer Sciences Professions.</i></li> </ul>	

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
CSU Los Angeles Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
California Maritime Academy Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences**

## LOWER-DIVISION TRANSFER PATTERN CSU Monterey Bay Campus-Specific Pattern

This campus does not have a major, concentration, or option in Family Consumer Sciences.

## Family and Consumer Sciences 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 the B.S. in Family & Consumer Science Education:

Campus-Specific Pattern	Semester Unit Requirement
<p><b>(1) If not taken as part of the statewide pattern complete <u>all</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUN FCS 150/L], Apparel Construction and Lab</b> - Fundamental principles and terminology of clothing construction; emphasis on the interrelationship of fiber, fabric, construction techniques, fit and care. <u>And</u></li> <li>• <b>A course that articulates with [CSUN FCS 160], Introductory Textiles</b> - Course presenting an introductory analysis of textile fibers, yarns, fabrics, dyestuffs, and finishes as they relate to the selection of end-use products. Emphasis given to textiles in apparel. <u>And</u></li> <li>• <b>A course that articulates with [CSUN FCS 170], Creative Expressions in Family &amp; Consumer Sciences</b> - Develops awareness of the relationships between creative expression and the quality of life in the family unit. <u>And</u></li> <li>• <b>A course that articulates with [CSUN FCS 232], Individual and Family Development</b> - Relationships and adjustments during the normal stages of family living.</li> </ul>	<p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p>
<p><b>(2) If not taken as part of the statewide pattern complete <u>one</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUN BIOL 100/L], Introductory Biology and Lab</b> – Analysis of selected topics illustrating major biological concepts, including ecology, evolution, heredity and organismal and cellular structure and physiology. <u>Or</u></li> <li>• <b>A course that articulates with [CSUN BIOL 101/L], General Biology and Lab</b> - Analysis of selected topics illustrating major concepts in biology, including evolution, environmental relationships, heredity, the cell, energetics and functions of living systems, and development.</li> </ul>	<p><b>0-4 units</b></p>
<p><b>(3) If not taken as part of the statewide pattern complete <u>one</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUN CHEM 100/L], Principles of Chemistry and Lab</b> – One semester course based on a systematic, semiempirical 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. <u>Or</u></li> <li>• <b>A course that articulates with [CSUN CHEM 110/L], Chemistry in Action and Lab</b> – One-semester course introducing chemistry and its relation to technological advances and their impact on our society and the environment. <u>Or</u></li> <li>• <b>A course that articulates with [CSUN CHEM 103/L], Introductory Chemistry I</b> – Designed to stress fundamental principles of inorganic chemistry, structure of atoms and molecules, periodic table, states of matter, chemical calculations involving stoichiometry and simple algebraic operations.</li> </ul>	<p><b>0-4 units</b></p>
<p><b>(4) If necessary, complete additional coursework to bring total to 60 transferable semester units.</b></p>	

## Family and Consumer Sciences LOWER-DIVISION TRANSFER PATTERN

## Cal Poly Pomona Campus-Specific Pattern

This campus does not have a major, concentration, or option in Family Consumer Sciences.

## Family and Consumer Sciences LOWER-DIVISION TRANSFER PATTERN CSU Sacramento Campus-Specific Pattern

In addition to the statewide pattern, the following is the CSU Sacramento campus-specific pattern.

Campus-Specific Pattern	Semester Unit Requirement
<p><b>(1) If not taken as part of the statewide pattern complete <u>all</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUS FACS 31], Textiles</b> - Study of the characteristics of fibers, yarns, fabrics, and finishes. Emphasis on fabric performance, serviceability as they affect consumer satisfaction. Discussion of environmental concerns in the textile industry and laws relating to textile products. <u>And</u></li> <li>• <b>A course that articulates with [CSUS FACS 32], Fundamentals of Apparel Production</b> - Principles of fit and design. Applied basic construction with emphasis on standards and custom techniques. Characteristics of fabrics used; individual pattern adjustment. <u>And</u></li> <li>• <b>A course that articulates with [CSUS FACS 50], Family and Social Issues</b> - Family structure, systems and functioning in marriage and other partnerships, parenting, work issues, domestic violence, divorce, and remarriage. Focus on social issues including gender, race, ethnicity, and class. Historical and theoretical perspectives on families in America. Introduction to research in family sciences and public policy implications. <u>And</u></li> <li>• <b>A course that articulates with [CSUS FACS 52], Child in the Family</b> - Physical, social, emotional and cognitive development of the child, conception through adolescence, in relation to the family. Strong theoretical emphasis. Introduction to methods of study, including observation and interview. <u>And</u></li> <li>• <b>A course that articulates with [CSUS STAT 1], Introduction to Statistics.</b></li> </ul>	<p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p>
<p><b>(2) If not taken as part of the statewide pattern complete at least <u>one</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [CSUS ECON 1A], Introduction to Microeconomics</b> - Introductory inquiry into the workings and interrelationships of the aggregate economic system. The primary focus is on total production and its distribution, employment and price levels, and the forces influencing them. Other considerations are the roles of government, the monetary sector, and related areas. <u>Or</u></li> <li>• <b>A course that articulates with [CSUS ECON 1B], Introduction to Macroeconomics</b> - Introductory microeconomic analysis of the workings of supply and demand in the determination of price, resource allocation, and distribution. Markets are analyzed as they affect economic efficiency and income distribution.</li> </ul>	<p><b>0-3 units</b></p>
<p><b>(3) If necessary, complete additional coursework to bring total to 60 transferable semester units.</b></p>	

## Family and Consumer Sciences LOWER-DIVISION TRANSFER PATTERN CSU San Bernardino Campus-Specific Pattern

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
San Diego State University Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
San Francisco State University Campus-Specific Pattern**

San Francisco State University also offers BS degrees in Dietetics, Interior Design, and Apparel Design and Merchandising (for more information about these degrees, go to <http://www.cfsd.sfsu.edu>). For the Subject Matter Requirements for a Single Subject Credential in Home Economics, in addition to the statewide pattern, the following is the San Francisco State University campus-specific pattern:

Campus-Specific Pattern	Semester Unit Requirement
<p><b>(1) If not taken as part of the statewide pattern, complete <u>all</u> of the following:</b></p> <ul style="list-style-type: none"> <li>• <b>A course that articulates with [SFSU ENG 114], College Composition, 1st semester</b> – Training in expository- argumentative composition, emphasizing work on clear and effective sentences and the organization and development of paragraph and essay. <u>And</u></li> <li>• <b>A course that articulates with [SFSU ENG 214], College Composition and Literature, 2nd semester</b> – Expository- argumentative composition and critical reading skills through the study of literature; special attention to logic, style, and rhetoric. <i>A minimum grade of C is necessary in courses used to meet this requirement.</i> <u>And</u></li> <li>• <b>A course that articulates with [SFSU ID 240], Color and Design</b> – A course that includes topics in color and design theories: visual elements and principles of design, their properties and relationships; developing sensitivity to, and judgment of, design. <u>And</u></li> <li>• <b>A course that articulates with [SFSU ADM 260], Textiles</b> – A course that covers topics in natural and chemical fibers; yarn and fabric construction; labeling, federal legislation, finishing, dyeing, stain removal, and detergency. <u>And</u></li> <li>• <b>A course that articulates with [SFSU ADM 261], Principles of Apparel Construction, w/Lab</b> – A course that covers topics in principles and concepts in the clothing field. Pattern analysis, selection, fitting, and technical and experimental construction processes.</li> </ul>	<p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p> <p><b>0-3 units</b></p>
<p><b>(2) If necessary, complete additional coursework to bring total to 60 transferable semester units.</b></p>	

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
San José State University Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
Cal Poly San Luis Obispo Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
CSU San Marcos Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
Sonoma State University Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.

**Family and Consumer Sciences  
LOWER-DIVISION TRANSFER PATTERN  
CSU Stanislaus Campus-Specific Pattern**

This campus does not have a major, concentration, or option in Family Consumer Sciences.