

# Majors Leading to Baccalaureate (Bachelor's) Degrees in the California State University • 2012-2013

Degree majors are listed alphabetically under generic titles, which may differ slightly from titles appearing in some catalogs. General categories are listed alphabetically, and specific programs within those subject areas appear as subheadings. Please contact the campuses or consult catalogs for further details. Information on credential programs appears on the final page.

**Key to Symbols:** BA=Bachelor of Arts, BS=Bachelor of Science, BFA=Bachelor of Fine Arts. "Option" signifies an emphasis within a major program. Not all options (aka "concentrations") are shown.

Degree programs requiring no more than 120 semester units/180 quarter units are highlighted in yellow. Contact an advisor to plan your degree pathway for greatest efficiency.

Degree Major/Program	Code	Bakersfield	Channel Islands	Chico	Dominguez Hills	East Bay	Fresno	Fullerton	Humboldt	Long Beach	Los Angeles	Maritime Academy	Monterey Bay	Northridge	Pomona	Sacramento	San Bernardino	San Diego	San Francisco	San José	San Luis Obispo	San Marcos	Sonoma	Stanislaus
<b>UNDECLARED<sup>1</sup> and Pre-Majors (These are not degree programs)</b>																								
• Freshmen/Sophomores (Undeclared)	00000	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•
• Juniors/Seniors (Undeclared)	00000	•		•	•	•	•		•	•		•	•	•		•	•	•	•	•		•	•	•
• Pre-Nursing*	00121	•	•	•		•	•	•			•					•	•	•	•	•			•	•
<b>Actuarial Science</b>	05073																							option
<b>Advertising</b>	06041					option		option										option						BS
<b>African-American Studies, Africana Studies</b>	22111				BA	option	BA	option		BA	BA		option	BA				BA	BA	BA				
<b>Agriculture (Also see Natural Resources)</b>																								
• Agricultural Biology	01991																							option
• Agricultural Business/Mgmt./Mktg.	01121			BS			BS						option		BS						BS			option
• Agricultural Economics	01111						option																	option
• Agricultural Education & Science	01012			option			BS								BS						BS			
• Agricultural Studies (agricultural policies and issues, management of agricultural resources)	01014																							BA
• Agricultural Systems Management	01161																				BS			
• Agriculture, Agricultural Science	01011			BS																				
• Agronomy, Crop Science	01021			option			option																	BS
• Animal Health Science	01043														BS									
• Animal Science	01041			BS			BS								BS						BS			
• Crops, Horticulture, and Land Resource Management	01021			option																				
• Dairy Science	01051						option														BS			
• Enology (Also see Viticulture and Enology under Agriculture)	01132						BS																	
• Equine Industry	01041														option									
• Food Science and Technology	01131						option				BS				BS				option	BS				
• Fruit Science and Industry (Horticulture)	01081						option																	
• Horticultural Science, Environmental/Ornamental	01091						option																	
• Plant Science/Protection	01991						BS								BS									
• Rangeland Resource Science and Management	01171			option					BS															
• Soil Science	01031						option																	BS
• Veterinary, Pre-	01042						option								option									BS
• Viticulture, Wine and Viticulture	01082						BS																	
<b>American Indian Studies</b>	22121					option			BA				option			option		BA	BA					
<b>American Studies</b>	03131							BA		BA			option				BA		BA					
<b>Anthropology, Applied Anthropology</b>	22021	BA		BA	BA	BA	BA	BA	BA	BA	BA		option	BA	BS	BA	BA	BA	BA	BA		BA	BA	BA
<b>Anthropology and Geography</b>	22992																				BS			
<b>Apparel Merchandising and Management</b>	13031									option				option	BS				BS					
<b>Applied Studies</b>	49995			BS																				BS
<b>Aquatic Biology</b>	04182																							option

<sup>1</sup>Students who have not chosen a major may be admitted at class levels indicated by dot.

\*Pre-Nursing status indicates a student's intention to apply to the nursing major when all pre-nursing requirements have been met. Contact the campus for more information.

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<b>Arabic</b>	11121																BA							
<b>Architecture</b> (Also see City Planning; Engineering; Landscape Architecture)															BArch						BArch			
<b>Art</b> (Also see Graphic Design)	10021	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA		BA	BA	BA	BA	BA	BA	BA	BA	BFA		BA	BA
• Art (Studio/Performance)	10022		option	BFA	option	BFA		BFA	option	BFA										BFA			BFA	BFA
• Art History	10031	option	option	option	option	option		option	option	option	option			option	option	option	option	option		option			BA	option
• Design	10023				option					BA										option				
<b>Asian Studies</b>																								
• Asian and Asian-American Studies	22999										BA													
• Asian-American Studies	22996				option		option	option		BA			BA		option				BA					
• Asian Studies	03011			BA						BA						BA		BA					option	
<b>Astronomy</b>	19111																	BA/BS	option					
<b>Atmospheric and Oceanic Sciences</b>	19173																		BS					
<b>Aviation</b>	08396										BS										BS			
<b>Behavioral Sciences</b>	20991				BA															BA				
<b>Bilingual/Bicultural Studies</b> (Also see Education)	15052														option		option							
<b>Biochemistry</b>	04141	option	option	BS	BS	BA/BS		BS	option	BS	BS			BS		BS	option		BS	option	BS	BS	BS	
<b>Bioinformatics</b>	07994																BS							
<b>Biology, Biological Sciences, General Biology</b> (Also see Aquatic; Botany; Cell Biology; Ecology; Microbiology; etc.)	04011	BS	BA/BS	BA/BS	BA/BS	BA/BS	BS	BS	BS	BS	BS		BS	BA/BS	BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS <sup>2</sup>	BS	BS	BA/BS	BA/BS
• Cellular and Molecular Biology	04171		option	option	option	option	option	option	option	option				option					option			option	option	
• Biology–Conservation and Organismal	04202					option	option									option				option				
• Human Biological Sciences	04014	BA																						
<b>Biomedical Physics</b>	04152						BS																	
<b>Biotechnology</b>	04991	option						option						option	BS							BS		
<b>Botany, Plant Biology</b>	04021			option		option			BS	option					option				option				option	
<b>Broadcast and Electronic Communication Arts</b>	06051																		BA					
<b>Business Administration</b>																								
• Accountancy	05021	option		option	option	option	option	option	option	option	option		option	BS	option	option	option	option	option	option		option	option	option
• Accounting and Information Systems	07022			option												option	option			option	option			
• Agri-Business: See Agriculture; Wine Business Strategies under Business Administration																								
• Business Administration	05011	BS	BS	BS	BS <sup>2</sup>	BS	BS	BA <sup>2</sup>	BS	BS <sup>2</sup>	BS	BS	BS	BS	BS	BS	BA/BS	BA/BS	BS <sup>2</sup>	BS <sup>2</sup>	BS	BS	BS	BS
• Business Economics	05171					option		option		BA	option					option								
• Business Information Systems (Also see Computer Information Systems)	07026			BS										option										
• Business, Special Interest	05993																							
• Business Statistics	05031													option										
• Concrete Industry Management	05015			BS																				
• Corporate Financial Management	05044																			option			option	
• Electronic Commerce, E-Business	05013	option											option		option		option							
• Entertainment/Tourism Management	05083			option				option																
• Entrepreneurship	05997		option	option	option	option	option	option			option		option			option	option			option	option			
• Finance	05041	option	option	option	option	option	option	option	option	option	option			BS	option	option	option	option	option	option	option	option	option	option
• Financial Services, Financial Planning	05043						option							option			option	option						
• Global Logistics	05101				option																			
• Hotel and Restaurant/Hospitality Management (Also see Travel and Tourism)	05081				option					BS			option		BS			BS	BS					
• Human Resources Management/Personnel	05151			option	option	option	option			option	option				option	option	option			option				
• Information Systems (Also see Computer Information Systems)	07021			option	option	option	option	option		option				BS	option	option	option		option		option			BS/option

<sup>2</sup>Applicants listing this campus as first choice are requested not to use this code number but to indicate one of the coded options in this subject. Contact the campus for further instructions.

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<b>Business Administration (Continued)</b>																									
• Insurance	05121															option									
• International (World) Business	05131		option		option		option	BA	option	option	option	option	option		option	option	option	BA	option	option	option	option			
• Legal Environment of Business	05995													option											
• Management, Administration	05061	option	option	option	option		option	option	option	option	option	option		BS	option		option	option	option	option	option	option	option	option	option
• Management Information Systems	07023	option		option																option		option			
• Management Science (Operations Research/ Management Systems)	05072							option						option											
• Marketing (Management)	05091	option	option	option	option	option	option	option	option	option	option		option	BS	option	option	option	option	option	option	option	option	option	option	option
• Non-Profit Management	05066				option																				
• Production and Operations Management, Supply Chain Management	05064			option		option				option	option			option	option	option							option		option
• Quantitative Methods, Decision Sciences	05071																								
• Real Estate	05111					option	option				option			option	option	option	option	option							
• Retailing	05092										option														
• Sports Management	05084	option			option																				
• Supply Chain Management Systems	07025			option																					
• Transportation and Logistics Management	05101										option	option													
• Transportation and Supply Chain Management	05104																	option							
• Wine Business Strategies	01122																							option	
<b>Career and Technical Studies</b>	08395															BS	BS								option
<b>Cell Biology, Cell &amp; Molecular Biology (Also see Molecular Bio.)</b>	04171		option	option	option	option	option	option	option	option				option					option				option	option	
<b>Central American Studies</b>	03085													BA											
<b>Chemical Physics</b>	19081																		BS						
<b>Chemistry</b>	19051	BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS			BA/BS	BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BS	BS	BA/BS	BA/BS
<b>Chicano/a Latino/a Studies</b>	22131	option	BA		BA	option	BA	option		BA	BA		option	BA				BA	BA				BA		
<b>Child Development, Child and Adolescent Development</b>	08231	BA		BA	BS	option	BS	BS	option	option	BA			BA		BA	option	BS	BA	BA	BS	option		BA	
<b>Chinese</b>	11071										BA								BA	BA					
<b>Chinese Studies</b>	03021									BA									BA	BA					
<b>Cinema (Also see Film; Radio-Television-Film)</b>	10102															BA			BA						
<b>City/Regional/Urban Planning</b>	02061	option													BS						BS		option		
<b>Classics</b>	15041									BA									BA	BA					
<b>Coastal and Watershed Science and Policy</b>	49052																		option						
<b>Cognitive Science, Cognitive Studies</b>	49016						BS																	BA	
<b>Communications/Communication Studies (Also see Speech Communication; Radio-Television-Film; Broadcast Arts)</b>	06011	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA		option	BA	BS	BA	BA		BA	BA	BA	BA	BA	BA	BA
<b>Communication Design</b>	06012			BA									BS							BS					
<b>Comparative Literature, World Literature</b>	15031							BA		BA								BA	BA						
<b>Computer</b>																									
• Computer Graphics, Applied	07993			BS																					
• Computer Information Systems (Also see Business Systems; Information Systems under Business Administration)	07021			BS							BS			BS								option		BS/option	
• Computer Science (Also see Computer Systems)	07011	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS		option	BS	BS	BS	BS	BA/BS	BS	BS	BS	BS	BS	BS	BS
• Computer Science and Information Technology	07012												BS	BS			BA								
• Computer Technology	07012				BA																				
<b>Conflict Resolution (Also see International Security)</b>	49039				BA																				
<b>Construction Management/Construction Engineering Technology</b>	09254			BS		BS	BS			BS				BS	BS	BS		BS			BS				
<b>Creative Writing</b>	15071		option			option				option	option		option	option			option		option	option			option		
<b>Criminal Justice</b>																									
• Criminal Justice Administration (Also see Criminology)	21051	BA		BA	BS	BS	option	BA		BS	BS					BS	BA	BS	BA		option			BA	
• Criminal Justice/Corrections	21052					option	option																		option

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• Criminal Justice Studies	21050																			BS			BA	
<b>Criminology</b>	22091						BS							option	option							BA		
<b>Cultural Resources Management</b>	22994														option									
<b>Cytotechnology</b>	12234				option																			
<b>Dance</b>	10081				option	option	option	BA	option	BA	option			option	option	BA	option	BA	BA	BA			option	
• Dance (Performance)	10082		option							BFA								BFA		BFA				
<b>Deaf Studies</b>	21044													BA		BA								
<b>Dietetics and Food Administration/Nutritional Science</b> <i>(Also see Food Science and Technology under Agriculture)</i>	13061			BS			BS			BS	BS			option	BS	BS*	BS	BS	BS	BS	BS			
<b>Earth Sciences</b> <i>(Also see Environment; Geography; Geology)</i>	19171				option			BA		BS									BA	BA	BS		BA	option
<b>Ecology/Environmental Biology</b> <i>(Also see Environment)</i>	04201		option	option	option	option	option	option	option	option			option	option	BS		option	option	option		option	option	option	option
<b>Economics</b>	22041	BA/BS	BA	BA		BA	BA	BA	BA	BA	BA			BA	BS	BA	BA	BA	BA	BA/BS	BS	BA	BA	BA
• Managerial Economics	22041																						option	
<b>Education</b> <i>(Also see Credentials, page 17)</i>																								
• Bilingual-Crosscultural	08994																							option
• Child Development, Child & Adolescent Development	08231	BA		BA	BS	option	BS	BS	option	option	BA			BA		BA	option	BS	BA	BA	BS	option		BA
• Communication Handicapped	08121						option																	
• Early Childhood Education	08231					option																		
• Early Childhood Studies	08232		BA																					
• Environmental Education	08341												option											
• Instructional Media/Technology	08992			BS																				
<b>Engineering</b>																								
• Aerospace Engineering	09021									BS					BS			BS		BS	BS			
• Architectural Engineering	09041							option																BS
• Biomedical Engineering/Bioengineering	09051									option								option						BS
• Bioresource and Agricultural Engineering	09031																							BS
• Chemical Engineering	09061									BS					BS						BS			
• Civil Engineering	09081			BS			BS	BS		BS	BS			BS	BS	BS		BS	BS	BS	BS			
• Computer Engineering	09094	BS		BS		option	BS	BS		BS				BS	BS	BS	BS	BS	BS	BS	BS			
• Computer Engineering Technology	09259									BS														
• Construction Engineering	09254																		BS					
• Electrical/Electronic Engineering	09093			BS				BS								BS								
• Electrical Engineering	09091	option					BS	BS		BS	BS			BS	BS			BS	BS	BS	BS			BS
• Electronics/Computer Engineering Technology	09255									BS					BS									
• Engineering	09011					BS		BS <sup>3</sup>		BS	BS			BS						BS	BS			
• Engineering Management, Industrial Management	09132									option				BS										
• Engineering Systems	09013									BA														
• Environmental Engineering	09221														option			BS			BS			
• Environmental Engineering Technology	09262									option														
• Environmental Resources Engineering	09222								BS															
• Engineering Technology	09251									BS					BS									
• Facilities Engineering Technology	09263										BS													
• Geomatics/Surveying Engineering	09252						BS								option									
• Industrial Engineering, Industrial and Systems Engineering	09131					option									BS					BS	BS			
• Manufacturing/Automation Engineering	09134							option			option			BS	BS									BS
• Manufacturing Engineering Technology	09256									BS														
• Marine Engineering Technology	09258											BS												
• Materials Engineering	09151									option										BS	BS			

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\*Special major at CSU Sacramento

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<b>Engineering (Continued)</b>																								
• Mechanical Engineering	09101			BS			BS	BS		BS	BS	BS		BS	BS	BS		BS	BS	BS	BS			
• Mechatronic Engineering	09102			BS																	option			
• Microelectronics Process Engineering	09011																							
• Software Engineering	07052					option							option							BS	BS			
• Structural Engineering	09084							option																
• Sustainable Manufacturing Engineering	09084																							
<b>English</b>	15011	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA			BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
• English Composition, Rhetoric and Writing	15013												option											
English Education	08225				option		option							option	option					option				
<b>Environment</b>																								
• Atmospheric Science	19131			option																				
• Environmental Policy	19011												option											
• Environmental Resource Management	49051	BS	option			option		option	BS												BS			
• Environmental Science (Also see Coastal and Watershed Science, page 11)	49011		BS	BS		BS	BS		BS	BA/BS			BS					BS	BA/BS					option
• Environmental Studies	49101					BA							BA/option			BA/BS	BA			BA/BS option			BA/BS	
• Hydrologic Science	49011			option																				
<b>Ethnic Studies</b> (Also see African American; Asian American; Chicano/a Latino/a; Native American; Gender, Ethnicity and Multicultural Studies)	22991	option		option		BA		BA <sup>4</sup>	option				option	option		BA					BA		BA	BA
<b>European Studies</b>	03101							BA										BA					option	
<b>Family and Consumer Sciences/Home Economics</b>	13011						BA			BA				BS		BA			BA					
<b>Film and Video/Electronic Media</b> (Also see Cinema; Radio-Television-Film)	10101								option	BA				option										
<b>Fine &amp; Creative Arts</b> (Also see Art; Music; Theatre Arts)	10011													option						BA		BA		
<b>Fire Protection Administration and Technology</b>	21991								option		BS													
<b>Forensic Science, Criminalistics</b>	19991					option														BS				
<b>French</b>	11021		BA			BA	BA	BA		BA	BA			BA		BA	BA	BA	BA	BA	BA	option		BA
<b>French Studies</b>	03121								BA	BA														
<b>Gender, Ethnicity and Multicultural Studies</b> (Also see Ethnic Studies; Women's Studies)	22991			BA		option			option					BA										BA
<b>Gender Studies/Women's and Gender/Gay Lesbian Studies</b>	22990																		BA					BA
<b>Genetics</b>	04221						option																	
<b>Geography</b>	22061			BA	BA/BS	BA/BS	BA	BA	BA	BA	BA			BA	BS	BA	BA	BA/BS	BA	BA			BA	BA
<b>Geology</b> (Also see Earth Sciences)	19141	BA/BS		BS	BA/BS	BA/BS	BS	BS	BA/BS	BS	BS			BS	BS	BA/BS	BA/BS	BS	BS	BS			BS	BS
• Geophysics	19160													option										
• Geosciences	19172			BS																				
• Physical Science Education	19011			option																				
<b>German</b>	11031			BA						BA								BA	BA	BA				
<b>Gerontology</b>	21043			option							option					BS		BA		option		option		
<b>Global Intelligence and National Security</b>	22102	BA																						
<b>Government</b> (Also see Political Science)	22071													option		BA								
<b>Government-Journalism</b>	49033															BA								
<b>Graphic Communication (Printing)</b>	08392						option				BS													BS
<b>Graphic Design/Applied Art</b>	10091			option	option	option	BFA	option		option	option			option	BFA	BS	option	option		BFA	option			
<b>Health</b>																								
• Health and Safety Studies	08371																							option
• Health Care Management/Administration	12021			option	option		option			BS				BS		option	option			option				
<b>Health (Continued)</b>																								
• Health Communication	06013																	BS						

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• Health: Community and School	12011			option	option		option			option			option			option	option							
• Health: Environmental and Occupational	12142	option		option		option	option				option			BS		option	option							
• Health Science, Health Education	12011			BS	BS	BS	BS	BS		BS	BS					BS	BS	BS	BS	BS				
• Public Health Promotion	12140													BS										
<b>Historic Preservation/Public History</b>	22995																option							
<b>History</b>	22051	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA		option	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
<b>Hospitality, Recreation, and Tourism</b>	21025					BS														BS				
<b>Human Development</b>	20993					BA				BA							BA					BA	BA	
<b>Human Services</b>	21042				BA			BS					BA											option
<b>Humanities</b>	15991			BA									BA	BA		BA		BA	BA	BA				
<b>Industrial Arts/Technology Education</b>	08393										option										BA			
• Industrial Design	08391									BS											BS	BS		
• Industrial Technology, Manufacturing Technology	08394			BS			BS				BS										BS**	BS		
<b>Information Technology</b>	07028		BS											option										
<b>Interdisciplinary Studies/Special Major</b>	49993	BA/BS	option	BA/BS	BA/BS	BA/BS	BA/BS				BA/BS		BA	BA	BA	BA/BS	BA	BA	BA	BA/BS		BA	BA/BS	BA/BS
<b>Interior Design</b>	02031			option			BA			BFA				option		BA		option	BS	BFA				
<b>International Relations/Affairs</b>	22101	option		BA										option		option				BA				
• Global Intelligence and National Security	22102	BA																						
• International Security and Conflict Resolution	22103																	BA						
• International Studies/Global Studies	22997					BA			option	BA		BA	BA							BA		BA	BA	option
<b>Italian</b>	11041													option							BA			
<b>Italian Studies</b>	03122									BA														
<b>Japanese</b>	11081							BA		BA	BA		BA/option	option				BA	BA	BA				
<b>Jewish Studies, Modern</b>	15102									BA	BA			option	BA			BA	BA	BA				
<b>Journalism (Also see Communications)</b>	06021			BA	option		option	option	BA	BA			option	BA	option	BA		BA	BA	BS	BS			
<b>Kinesiology/Physical Education</b>	08351	BS		BA	BA	BS	BS	BS	BS	BA/BS	BS		BS	BA/BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BA
• Athletic Training	08375						BS	BS		BS				BA				BS		BS				
• Exercise Physiology/Exercise Science	08355	option		BS			option		option	option	option		option	option	option		option					option	option	
• Fitness	08349				option									option									option	option
• Physical Education	08350				option	option								option				option				option	option	
• Pre-Physical Therapy	12120				option	option												option				option		
<b>Labor Studies</b>	22993				BA																BA			
<b>Landscape Architecture</b>	02041														BS									
<b>Language Studies</b>	15012					option																		BLA
<b>Languages and Cultures, World (Also see individual languages)</b>	11011												BA	BA										BA
<b>Latin American Studies</b>	03081			BA		BA	BA	BA			BA							BA						option
<b>Liberal Arts</b>	49017									BA														
<b>Liberal Studies</b>	49012	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA		BA	BA	BA	BA	BA	BA	BA	BA	BS	BA	BA★	BA
• Liberal Studies (Hutchins School of Liberal Studies)	49015																							BA
• Liberal Studies + Teacher Preparation/Urban Learning†	49081	option	option	option	option	option	option	option	option	option	BA		option	option	option	option	option	option	option	option	option	option	option	option
<b>Life Science (See Natural Science)</b>																								
<b>Linguistics</b>	15051						BA	BA		BA				BA				option	BA	option	BA			
<b>Literature (Also see Comparative Literature; English)</b>	15021				option	option							option	option	option		option	option	option			option	option	
<b>Marine Biology</b>	04181							option	option	BS			option	option				option	option	option	option	option	option	
<b>Marine Science</b>	49022												BS											
<b>Marine Transportation</b>	49044											BS												
<b>Mass Media</b>	06010																							BA
<b>Mathematics</b>	17011	BS	BS	BS	BS	BS	BA	BA	BA	BS	BA/BS		BS/option	BA/BS	BS	BA <sup>5</sup>	BA/BS	BA	BA	BA	BS	BS	BA/BS	BA/BS
• Mathematics, Applied	17031			option		option		option	option	option	option			option	option			option		BS	BS		option	

\*\*Students must choose either the Concentration in Electronics and Computer Technology or the Concentration in Manufacturing Systems in their first semester of enrollment.

▼ Joint program offered with another campus

★ Hutchins School Multiple Subject Matter Program

† Integrated ("blended") program of subject-matter and professional preparation for prospective teachers (elementary level).

Degree programs requiring no more than 120 semester units/180 quarter units are highlighted in yellow. Contact an advisor to plan your degree pathway for greatest efficiency.

Degree Major/Program	Code	Bakersfield	Channel Islands	Chico	Dominguez Hills	East Bay	Fresno	Fullerton	Humboldt	Long Beach	Los Angeles	Maritime Academy	Monterey Bay	Northridge	Pomona	Sacramento	San Bernardino	San Diego	San Francisco	San José	San Luis Obispo	San Marcos	Sonoma	Stanislaus	
• Mathematics and Applied Computing	17031															BA									
• Mathematics and Science Education/Science Education	08997												option												
• Mathematics Education	17012				option				option				option	option											
<b>Medical Laboratory Technology</b> (Clinical Lab Science)	12231		option	option	option								option	option		option									
<b>Meteorology/Atmospheric Sciences</b>	19131			option															option	BS					
<b>Microbiology</b>	04111			BS	option	option	option		option	BS	BS			option	option	option		BA/BS	option	option	BS			option	
<b>Molecular Biology</b> (Also see Cell Biology)	04161				option	option	option	option								option		option		option					
<b>Multimedia, Digital Media Arts</b> (Also see Broadcasting Arts; and Telecommunications/Multimedia)	06991				BA	option							option			option		option							
<b>Museum Studies</b>	49036												option												
<b>Music</b>																									
• Music	10051	BA		BA	BA	BA	BA	BA	BA	BA	BA		BA	BA	BA	BA	BA	BA	BA	BA	BA		BA	BA	
• Music (Performing)	10041		option	option			option	BM	option	BM	BM			BM		BM	option	BM	BM	BM			option	BM	
• Music Education	10052			option	option		option	option	option	option				option	option		option	option		option			option		
• Music Industry and Technology	10053			BA									option	option	option								option		
• Musical Theatre	10073			BA		option		option																	
<b>Native American Studies</b> (See American Indian Studies)																									
<b>Natural Resources</b>																									
• Fisheries Biology	01071									BS															
• Forestry	01141									BS											BS				
• Rangeland Resource Science and Management	01171			option			option			BS															
• Watershed Management (Also see Coastal and Watershed Science and Policy)	01152												option								option				
• Wildlife Management	01072									BS															
<b>Natural Science/ Life Science</b>	49021	BA		BA			BA				BS										BA				
<b>Nursing</b> (Also see Health Science and Pre-Nursing Undelcared*)																									
• Nursing (Basic, Pre-Licensure)	12031	BS	BS	BS		BS	BS	BS		BS	BS					BS	BS	BS	BS	BS		BS	BS	BS	
• Nursing (RN to BSN)	12032	BS			BS	BS	BS	BS		BS	BS			BS		BS	BS	BS	BS	BS			BS	BS	
<b>Occupational Therapy</b>	12081																				BS				
<b>Oceanography</b>	19191								BS										option						
<b>Park Administration</b>	21032			option												option					option				
<b>Performing Arts</b>	10015		BA																						
<b>Philosophy</b>	15091	BA		BA	BA	BA	BA	BA	BA	BA	BA			BA	BA	BA	BA	BA	BA	BA	BA		BA	BA	
<b>Philosophy and Religion</b>	15992																		BA						
<b>Photography</b>	10111					option				option						BA					option				
<b>Physical Science</b>	19011		option	option												BA		BA						BA	
<b>Physics</b>																									
• Physics	19021	BS		BS	BS	BA/BS	BA/BS	BS	BA/BS	BA/BS	BA/BS			BA/BS	BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS	BA/BS		BA/BS	BA/BS
• Applied Physics	19025		BS														option						BS	option	
• Electrical Engineering	19021				option																				
<b>Physiology</b>	04101					option	option			option									option	option		option	option		
<b>Political Economy</b>	22073												option												
<b>Political Science</b> (Also see Government)	22071	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA			BA	BA		BA	BA	BA	BA	BA	BA	BA	BA	
<b>Polymers and Coating Science</b>	19052																				option				
<b>Psychology</b> (Also see Behavioral Sciences)	20011	BA	BA	BA	BA	BA/BS	BA	BA	BA	BA	BA		BA	BA	BA	BA	BA	BA	BA	BA/BS	BS	BA	BA	BA	
• Industrial/Organizational	20081					option																			
• Physiological, Biological	20101																option								
<b>Public Administration, Public Policy, Public Sector Management</b>	21021	BA		BA	BS	option	BA	BA						BA			option	BA							
<b>Public Relations</b>	05992			option	option			option	option		option				option	option		option			BS			option	
<b>Radiologic Sciences</b>	12253													BS											

\*Pre-nursing status indicates a students intention to apply to the nursing major when all pre-nursing requirements have been met. Contact the campus for more information.

Degree programs requiring no more than 120 semester units/180 quarter units are highlighted in yellow. Contact an advisor to plan your degree pathway for greatest efficiency.

Degree Major/Program	Code	Bakersfield	Channel Islands	Chico	Dominguez Hills	East Bay	Fresno	Fullerton	Humboldt	Long Beach	Los Angeles	Maritime Academy	Monterey Bay	Northridge	Pomona	Sacramento	San Bernardino	San Diego	San Francisco	San José	San Luis Obispo	San Marcos	Sonoma	Stanislaus	
Radio-Television-Film (Also see Broadcast; Cinema; Telecommunications; Film)	06031			option	option	option		BA			BA		BA	BA				BS		BA					
Recreation, Parks, and Tourism Administration	21031			BS		BS	BS		option	BA				BS		BS		BS	BS	BS	BS				
Rehabilitation Services	12221										BS														
Religious Studies (Also see Jewish Studies)	15101	BA		BA	option		option	BA	BA	BA				BA		option		BA		BA					
Russian	11061																	BA							
Russian and Central European Studies	03071																	BA							
Science, Technology, and Society	49020														BA										
Social Sciences (Also see Anthropology, Sociology, etc.)	22011			BA									BA		BS	BA	BA	BA		BA		BA		BA	
Social Work	21041			BA			BA		BA	BA	BA		option	option	option	BA	BA	BA	BA	BA					
Sociology	22081	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA		option	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	
Spanish	11051	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA		BA/option	BA	BA	BA	BA	BA	BA	BA	BA	option	BA	BA	BA
Speech Communication	15061			BA		option	option				option							BA						option	
Speech Pathology/Communicative Disorders	12201			BA		BS	BA	BA		BA	BA			BA		BS		BA	BA	BA					
Statistics	17021			option		BS		option		option				option	option			BS	BS	option	BS		BS		
Statistics, Applied	17022																						BA		
Teaching English to Speakers of Other Languages	15081																							option	
Technical and Professional Writing	15997																		BA	option					
Telecommunications and Film (Also see Radio-Television-Film)	06033																	option							
Theatre Arts/Drama (Also see Musical Theatre under Music)	10071	BA		BA	BA	BA	BA	BA	option	BA	BA			BA	BA	BA	BA	BA	BA	BA	BA		BA	BA	
• Theatre Arts (Professional Performance/Design)	10072		option					BFA							option										
• Theatre, Film, and Dance (Apply only through the "option" code for one of the disciplines in this degree)								BA																	
Therapeutic Recreation	21031			option		option	option									option				option					
Travel and Tourism (Also see Hotel and Restaurant/Hospitality Management under Business Administration)	05082			option																					
Urban Studies	22141	option												BA				BA	BA					option	
Women's Studies	49991			option		BA	BA	BA	option	BA			option	BA	option	BA/BS		BA				BA	BA		
Zoology	04071						option		BS	option				option				option	option				option		
<b>SPECIAL PROGRAMS</b>																									
• Interdisciplinary Studies	49034				BA	BA/BS																			

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# Credential Programs in the California State University • 2012-2013

All Credential Applicants: The dots (•) and footnotes indicate programs approved by the campus and the California Commission on Teacher Credentialing. Further information may be obtained from each campus.

Program	Code	Bakersfield	Channel Islands	Chico	Dominguez Hills	East Bay	Fresno	Fullerton	Humboldt	Long Beach	Los Angeles	Maritime Academy	Monterey Bay	Northridge	Pomona	Sacramento	San Bernardino	San Diego	San Francisco	San José	San Luis Obispo	San Marcos	Sonoma	Stanislaus	CalStateTEACH
<b>TEACHING CREDENTIALS</b>																									
Multiple Subject	200	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*	2*	1,2*	1,2*		1,2*	1,2*	1,2*	1*	1,2*	1,2*	1,2*	1*	1*	1*	1,2*	1,2*	1*
Single Subject	100	1*	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*	2*	1,2*	1,2*		1,2*	1,2*	1,2*	1,2*	2*	1,2*	1,2*	2*	*	1,2*	2*	1,2*	
<b>EDUCATION SPECIALISTS</b>																									
Mild/Moderate	481	2,3*	2,3*	2,3*	2,3*	2,3*	2,3*	2,3*	3*	2,3*	2,3*		2,3*	2,3*	2,3*	2,3*	2,3*	2,3*	2,3*	2,3*	3*	2,3*	2,3*	2,3*	2,3*
Moderate/Severe	482	2,3*		2,3*	2,3*	2,3*	2,3*	2,3*	3*	2,3*	2,3*		2*	2,3*	2,3*	2,3*	2,3*	2,3*	2,3*	2,3*		2,3*	2,3*	2,3*	2,3*
Deaf/Hard of Hearing	485						3*							2,3*							2,3*				
Visual Impairment	483										2,3*														
Physical Impairment	484										2,3*														
Early Childhood Specialist Education	436				2,3*			2,3*			2,3*			2,3*		2,3*	2,3*	2,3*	2,3*	2,3*					
Early Childhood Specialist Education Certificate	430							*								*	*	*							
Resource Specialist	467				*			*						*		*	*			*			*		
<b>DESIGNATED SUBJECTS</b>																									
Adult Education	305				*					*							*		*						
Career Technical Education	337									*							*		*						
Supervision and Coordination	330									*							*		*						
Special Subjects	399									*							*		*						
<b>SPECIALIST CREDENTIALS AND CERTIFICATES</b>																									
Reading Certificate	415	*		*		*	*	*	*	*	*		*	*		*	*	*	*	*	*	*	*	*	*
Reading Language Arts	410	*		*		*	*	*	*	*	*		*	*		*	*	*	*	*	*	*	*	*	*
California Teachers of English Learners (CTEL/CLAD)	447			*						*				*								*	*	*	*
Agriculture Specialist	470			*			*								*						*				
Adapted Physical Education	490			*					*	*	*			*	*	*	*		*	*			*		
Bilingual Authorization	455		*	*	*			*		*				*	*			*		*			*		*
Bilingual/Crosscultural	440														*			*		*					*
Early Childhood Specialist Credential	430						*																		
<b>SERVICES CREDENTIALS</b>																									
<b>Administrative</b>																									
Preliminary	501	2*		2*	2*	2*	2*	*	2*	*	*			*	2*	2*	2*	2*	2*	2*	2*	2*	*	2*	2*
Professional-Standards Based	502	*		*	*	*	*	*	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*
<b>Pupil Personnel</b>																									
School Counseling	802	*			2*	2*	*			2*	2*			*		2*	2*	2*	2*	2*	2*		2*	2*	2*
School Psychology	804			2*		2*	2*	2*		2*	2*			*		2*	2*	2*	2*	2*	2*				
School Social Work	803						*			*					*		*	*	*	*					
Child Welfare & Attendance	801				*		*			*	*							*		*					
<b>Other Related Education Specialist Services</b>																									
<b>Clinical Rehabilitation</b>																									
Orientation & Mobility	904										*														*
<b>Speech-Language Pathology</b>																									
Language, Speech and Hearing	912			*		*	*	*		*	*			*		*		*	*	*		*			*
Special Class Authorization	953			*				*			*			*		*			*						
<b>Other</b>																									
Library Media Services	700									*										*					
Health (School Nurse)	600	*					*	*		*	*			*	*	*	*	*	*						

\*=Approved Program 1=BCLAD 2=Intern Option 3=Preliminary/Clear Credential

# ROTC Programs in the California State University • 2012-2013

The dots (•) indicate those campuses offering ROTC (Reserve Officer Training Corps) programs; the daggers (†) indicate that students may participate in an ROTC program offered as a cooperative effort with a neighboring institution. Please call campuses or consult catalogs for further details.

	Bakersfield	Channel Islands	Chico	Dominguez Hills	East Bay	Fresno	Fullerton	Humboldt	Long Beach	Los Angeles	Maritime Academy	Monterey Bay	Northridge	Pomona	Sacramento	San Bernardino	San Diego	San Francisco	San José	San Luis Obispo	San Marcos	Sonoma	Stanislaus
AIR FORCE				†		•	†		†	†					•	•	•	†	•		•	†	
ARMY				†		•	•		•	†		†	†	†	†	•	•	†	†	•	•	†	
NAVY										†	*						•				•		
COAST GUARD RESERVE TRAINING PROGRAM											•												

\*Offers Merchant Marine Reserve Program, U.S. Naval Reserve