Commission on Teacher Credentialing

CREDENTIAL INFORMATION GUIDE

Appropriate Degrees to Satisfy Subject Matter Competence

Home Credentialing Information Credential Information Guide
Appropriate Degrees to Satisfy Subject Matter Competence

California Education Code requires that all candidates for a teaching credential must demonstrate proficiency in the subject matter area of their intended credential. The subject matter competence requirement can be met in several ways, including: passing examination scores, completion of a Commission-approved subject matter program, applicable coursework, a degree major in one of the statutory subjects, or a combination of coursework and examination options.

The sortable table below displays the degree majors that may be accepted under the academic degree major option to satisfy the subject matter competence requirement for earning a credential in the subject area listed, as well as some degree majors that are unacceptable. This table is intended to provide guidance and is not an exhaustive list. For candidates who have degree majors in areas that are in the unacceptable column, this means that these majors are not acceptable under the degree option, however some of the courses that a candidate has taken for completion of these and other degrees may satisfy some subject matter requirements under the transcript review process. For that process, please contact a Commission approved preparation program.

Note: Any degree major that includes the name of the subject area of the single subject credential is acceptable. Also acceptable are "applied" majors (e.g. Applied Mathematics, Applied Physics) and exact majors in one of the single subject areas that may have additional modifiers (e.g., Biology: Environmental Biology; Art: Art History; and Physical Education: Kinesiology). Degrees must have been earned at a regionally-accredited institution of higher education.

For questions related to degrees not listed, contact credentials@ctc.ca.gov.

Statutory Subject	Applicable Degree Major	Unacceptable Degree Major/ Requires Coursework Evaluation
Agriculture	AgricultureAgricultural Management	Animal ScienceForestry

Statutory Subject	Applicable Degree Major	Unacceptable Degree Major/ Requires Coursework Evaluation
	Agricultural MechanicsAgricultural Science	HorticultureLandscapingPlant Science
Art	 Art Art: Art History Art: Fine Arts Art: Ceramics Studio Art Art History Art Appreciation Art Theory Commercial Art Fine Arts 	 Animation Ceramics Costume Design Design Drawing Film Studies Humanities Illustration Interior Decoration Leathermaking Painting Photography Sculpture Stagecraft
Business	 Business Business Administration Business Communications Business Mathematics Business Management Business Marketing 	AccountingConsumer EducationEconomicsMarketingSports Management
Dance	DanceFolk/Traditional DanceModern Dance	 Composition and Production Hip Hop Ballet Jazz World Music
English	EnglishEnglish Literature	 Composition Creative Writing Forensics Humanities Journalism Literature Philosophy Poetry

Statutory Subject	Applicable Degree Major	Unacceptable Degree Major/ Requires Coursework Evaluation
		Public SpeakingSpeech
Health	Health Science	Child DevelopmentFamily LifeHuman SexualityNutrition
Home Economics	 Home Economics Family and Consumer Science 	 Child Development Consumer Education Family Life Human Development Interior Design Nutrition Parenting Textiles
Industrial and Technology Education	Industrial and Technology Education	 Automotive Mechanics Carpentry Computer Technology Construction Drafting Electricity Electronics Film Studies Industrial Design Millwork Photography Radio and Television Technical Science/Power Mechanics Welding
Mathematics	 Mathematics Statistics Applied Mathematics Basic or General Mathematics Consumer Mathematics Mathematical Analysis 	AlgebraCalculusComputer ScienceGeometryTrigonometry

Statutory Subject	Applicable Degree Major	Unacceptable Degree Major/ Requires Coursework Evaluation
Foundational Level Mathematics	 Mathematics Statistics Applied Mathematics Basic or General Mathematics Consumer Mathematics Mathematical Analysis 	
Music	 Music Instrumental Music Music Appreciation Music Theory Musical Theater Vocal Music 	
Physical Education	 Physical Education Physical Education: Kinesiology 	 Aquatics Gymnastics Interscholastic Sports Kinesiology Motor Development Nutrition Physical Conditioning Weightlifting
Science: Biological Science	 Biology Biochemistry Biological Engineering Biological Science 	 Anatomy Botany Ecology Environmental Science Evolution Genetics Physiology Zoology
Science: Chemistry	ChemistryChemical EngineeringBiochemistry	Chemical ReactionsQualitative AnalysisQuantitative AnalysisStructure and Stability
Science: Geosciences	GeologyEarth Science	Astronomy Cosmology

Statutory Subject	Applicable Degree Major	Unacceptable Degree Major/ Requires Coursework Evaluation
	Geoscience	ForestryMeteorologyOceanographyPaleontology
Science: Physics	PhysicsMechanical EngineeringStructural EngineeringApplied Physics	EnergyMechanicsThermodynamics
Foundational Level General Science	 Biology Chemistry Physics Geology Engineering (any type) Other degree major offered by a college or university science department 	
Social Science	Social Science	 American Democracy American Government Anthropology California History Criminal Justice Cultural Studies Economics Ethnic Studies Geography Government History Humanities International Relations Law Military Science Political Science Psychology Social Work Sociology US History

Statutory Subject	Applicable Degree Major	Unacceptable Degree Major/ Requires Coursework Evaluation
Theater	 Theater Drama Theater Arts Arts in Theater Musical Theater 	 World History Acting Directing Performance and Production Improvisation Playwriting Stagecraft Costume Design
World Languages	 Baccalaureate Degree in a World Language matching the Single Subject World Language of the credential being sought For World Language: English Language Development: Teaching English to Speakers of Other Languages (TESOL) Teaching English as a Foreign Language (TEFL) 	
Multiple Subject	 Liberal Studies Liberal Studies: Urban Education Liberal Studies: Elementary Education Liberal Arts Elementary Education 	 Child Development Early Childhood Education