

# SINGLE SUBJECT CREDENTIALS IN SCIENCE

To earn a secondary science teaching credential, candidates must

- ★ demonstrate subject matter competency and
- ★ complete a program of professional preparation.

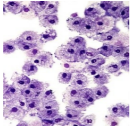



The California Commission on Teacher Credentialing authorizes eight different science credentials for teaching in grades 7-12.

Each credential requires demonstration of subject matter competence through completion of specific undergraduate or graduate degrees OR successful passage of several subtests of the California Science Examination for Teachers (CSET) in Science.

Candidates with a regular credential in a science area are authorized to teach in their specific discipline as well as general and integrated science, including middle school science.

Candidates with a Specialized credential in a science area are authorized to teach only in their specific discipline.

The most common route to subject matter competency is a major in a specific discipline and passage of the appropriate CSETs.

CREDENTIAL AREA	TPA Task SSP Requirement	COURSES AUTHORIZED								OPTIONS FOR SUBJECT MATTER COMPETENCY	
		Biology	Chemistry	Earth Sciences	Physics	Integrated Science	General Science	Life Science	Physical Science	Coursework Option	OR CSET Subtests Option
 <b>BIOLOGY</b>	Task SSP Specialized Biology	X						X		Graduate Degree in Biology	#120 Subtest III Concentration Biology #124 Subtest IV Specialization Biology
	Task SSP General Science	X				7-12	X	X	X	Subject Matter Preparation Program in Biological Sciences	#118 Subtest I General Science #119 Subtest II General Science #120 Subtest III Concentration Biology
 <b>CHEMISTRY</b>	Task SSP Specialized Chemistry		X						Chem only	Graduate Degree in Chemistry	#121 Subtest III Concentration Chemistry #125 Subtest IV Specialization Chemistry
	Task SSP General Science		X			7-12	X	X	X	Subject Matter Preparation Program in Chemistry	#118 Subtest I General Science #119 Subtest II General Science #121 Subtest III Concentration Chemistry
 <b>GEOSCIENCES</b>	Task SSP Specialized Geosciences			X						Graduate Degree in Geosciences	#122 Subtest III Concentration Earth/ Planetary Science #126 Subtest IV Specialization Earth / Planetary Science
	Task SSP General Science			X		7-12	X	X	X	Subject Matter Preparation Program in Geosciences	#118 Subtest I General Science #119 Subtest II General Science #122 Subtest III Concentration Earth/ Planetary Science
 <b>PHYSICS</b>	Task SSP Specialized Physics				X				Phys only	Graduate Degree in Physics	#123 Subtest III Concentration Physics #127 Subtest IV Specialization Physics
	Task SSP General Science				X	7-12	X	X	X	Subject Matter Preparation Program in Physics	#118 Subtest I General Science #119 Subtest II General Science #123 Subtest III Concentration Physics
<b>FOUNDATIONAL GENERAL SCIENCE</b>	Task SSP General Science					7-12	X	X	X	<b>NONE AT THIS TIME</b>	#118 Subtest I General Science #119 Subtest II General Science