

# CHEMISTRY, SUBJECT MATTER AUTHORIZATION

Holders of a Single Subject or Multiple Subject credential issued by the California Commission on Teacher Credentialing may secure a Specific Chemistry Subject Matter Authorization that allows the holder to teach the specific subjects in grades preschool, K-12, and classes organized primarily for adults.

For other requirements governing issuance of this authorization, consult the Teacher Education section of this catalog or contact the School of Education Student Services Center.

## Requirements

Complete each of the following courses or equivalent as approved by the Chemistry Department Advisor.

Code	Title	Hours
<b>Prerequisites</b>		
MAT 191	Calculus I	5
MAT 193	Calculus II	5
<b>Lower Division</b>		
CHE 110	General Chemistry I	5
CHE 112	General Chemistry II	5
CHE 230	Quantitative Analysis	4
<b>Upper Division</b>		
CHE 310	Organic Chemistry I	4
CHE 311	Organic Chemistry Lab I	1
CHE 312	Organic Chemistry II	3
CHE 313	Organic Chemistry Laboratory II	2
CHE 320	Physical Chemistry I	5
CHE 420	Advanced Applic for Chemistry	2
CHE 450	Biochemistry I	4
CHE 451	Biochemistry I Lab	1
CHE 460	Chemical Literature	2
<b>Total Hours</b>		<b>48</b>