

CALIFORNIA COMMISSION ON TEACHER CREDENTIALING

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OFFICE OF THE EXECUTIVE DIRECTOR

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To: All Individuals and Groups Interested in the Activities of the California Commission on Teacher Credentialing

From: Sam W. Swofford, Ed. D., Executive Director

Subject: Approval of Regulations Pertaining to Supplementary Authorizations in Business, Health Science, and Home Economics

The proposed changes to Title 5 Sections 80057.5, 80089, 80089.1, and 80089.2 concerning Supplementary Authorizations in the areas of business, health science, and home economics have been approved by the Office of Administrative Law and filed with the Secretary of State. These changes will be effective on January 1, 1997. The text of the regulations and information leaflets are attached. The major changes are explained below.

Summary

Supplementary authorizations allow the holder of a Multiple Subject, Single Subject, Standard Elementary, Standard Secondary, and some Special Secondary Teaching Credentials to add one or more subjects to his or her credential. The individual must verify completion of 20 semester units or 10 upper division semester units, of non-remedial course work or a collegiate major in the subject. The course work must be completed at a regionally accredited community college, college, or university. A grade of "C" or higher is required in each course.

These new regulations will update the course work currently required for supplementary authorizations in the areas of business, health science, and home economics to reflect what is commonly taught or what is required in the teacher preparation programs approved by the Commission. Some subject areas were revised, some new subjects were added, and some subjects have been eliminated.

Important Dates

Applicants may qualify for the new or revised supplementary authorizations beginning January 1, 1997. Individuals seeking a supplementary authorization in the areas of business, health science, or home economics under current regulations must complete all requirements by July 1, 1998.

Introductory Subjects Added to Elementary or Secondary Credentials

For supplementary authorizations added to elementary and secondary credentials for service in grades 9 and below, the individual must verify completion of at least one course in each of the designated areas within the broad subject area to be listed on the credential, with the balance of the course work in a related category within

the subject area or must verify completion of a collegiate major in the subject. The course work required within each of the subject areas of business, health science, and home economics was revised in this regulation change.

Below is a guide to the revised component areas for the subjects of business, health science, and home economics subject areas. The sample courses listed do not necessarily meet the requirement; the course content is the determining factor.

Business	
Component Areas	Notes
<ul style="list-style-type: none"> • Business Management • Business Marketing or Introduction to Business • Computer Concepts and Applications • Economics • Business Communications or Business English • Accounting 	<p>A major in Business Administration may be used to qualify for this subject area.</p> <p>The economics course may be found in the Social Science or Business department.</p>

Health Science		
Component Area	Sample Course Titles	Notes
<ul style="list-style-type: none"> • Substance Abuse (Including Alcohol, Drug, and Tobacco) 	<ul style="list-style-type: none"> • School Health Education • Elementary or Secondary School Health 	<p>In many cases the course that fulfills this requirement is also the course that clears the Health Education requirement for the professional clear Multiple or Single Subject Credential.</p>
<ul style="list-style-type: none"> • Nutrition 	<ul style="list-style-type: none"> • Nutrition 	<p>This class may be found in the Health or Food Sciences departments.</p>
<ul style="list-style-type: none"> • Comprehensive School Health Systems or Programs 	<ul style="list-style-type: none"> • School Health Education • School Health Programs • Elementary or Secondary School Health 	<p>In many cases the course that fulfills this requirement is also the course that clears the Health Education requirement for the professional clear Multiple or Single Subject Credential.</p> <p>Not all Health Education courses are comprehensive and some will not fulfill this requirement. An example of a two-unit Health Education course in the Education Department at one college that does NOT meet the requirement is: "covers State of California requirements in content and methods of health education for grades K-12."</p>
<p><i>Key Words or Concepts from course descriptions: school health programs, scope of health education, health practices and procedures in schools, and school health administration.</i></p>		

Component Area	Sample Course Titles	Notes
<ul style="list-style-type: none"> • Family Life Education (Including Human Sexuality, HIV/AIDS, and Sexually Transmitted Diseases) 	<ul style="list-style-type: none"> • Understanding Human Sexuality • HIV/AIDS: A Broad Perspective • The Family • Family Life Education 	<p>Family life courses in general seem to cover human sexuality, but not specifically HIV/AIDS and sexually transmitted diseases (STDs), while human sexuality courses do not cover family life and may or may not mention HIV/AIDS in the description.</p> <p>HIV/AIDS and STDs <u>cannot</u> be assumed to be part of the content of a human sexuality course if not specifically mentioned in the description, but STDs may be considered to be part of any course that covers HIV/AIDS. Very few courses mentioned STDs or "venereal diseases" in their description.</p> <p>Courses such as the African American Family, the Asian American Family, the Hispanic American Family, or the Native American Family may also be used.</p>
<p><i>It appears that an applicant will have to complete at least two courses to satisfy Family Life Education (Including Human Sexuality, HIV/AIDS, and Sexually Transmitted Diseases), and the courses may not be in the Health Department. Courses may be found in the Education, Sociology, or Psychology departments.</i></p>		
<ul style="list-style-type: none"> • Health Education Theory, Behavior, or Foundations 	<ul style="list-style-type: none"> • Introduction to Health Education • Health Behavior • Maintenance of Wellness 	<p>Course work will cover the broad field of public health, including the relationship between health, the social and physical environment, health care delivery and personal health behavior, health promotion, illness prevention, self-care, self-examination, and emergency care.</p>
<p><i>Key Words or Concepts from course descriptions: behavior for healthful living, healthy behavior, wellness.</i></p>		

Home Economics	
Component Areas	Notes
<ul style="list-style-type: none"> • Food and Nutrition • Clothing • Child Development • Family Life and Parenting 	<p>A laboratory requirement was added to the home economics subject area. The lab may be part of any of the courses used to qualify for the supplementary authorization or may be a separate course. A field experience from the Child Development or Early Childhood Education department will meet the laboratory requirement.</p> <p>The course of study must include course work in both food and nutrition but the areas may be covered with one course. The same is true for the family life and parenting areas.</p>

Changes to the List of Specific Subject Supplementary Authorizations

For specific supplementary authorizations, the course work must all be in the specific subject to be listed. The following changes were made to the list of specific subject supplementary authorizations:

1. One specific subject was eliminated:
 - Community and Family Health including Drug Use and Abuse
2. Five subject areas have title changes:
 - "Accounting and Bookkeeping" was renamed to "Accounting Including Finance"
 - "Clothing and Textiles" was renamed to "Clothing and Textiles (Home Economics)"
 - "Foods and Nutrition" was renamed to "Foods and Nutrition (Home Economics)"
 - "Marketing and Distribution" was renamed to "Marketing/Entrepreneurship"
 - "Office Services and Related Technologies" was renamed to "Office Technologies including Word Processing and Business Communications"
3. Four new subject areas were added:
 - Child Development (Home Economics)
 - Family Life and Parenting (Home Economics)
 - Family Life Education including Drug, Alcohol, and Tobacco Use Prevention (Health Science)
 - Interior Design (Home Economics)

Additional Notes For Specific Subject Supplementary Authorizations

The subject areas of *Child Development (Home Economics)*, *Clothing and Textiles (Home Economics)*, *Food and Nutrition (Home Economics)*, and *Interior Design (Home Economics)* must include a laboratory. The laboratory experience may be part of any of the courses used to qualify for the supplementary authorization or may be a separate course.

The supplementary authorization in *Family Life Education including Drug, Alcohol, and Tobacco Use Prevention (Health Science)* must include the following components:

- sexually transmitted diseases including HIV/AIDS,
- human development and human sexuality,
- parenting education,
- violence prevention, and
- drug, alcohol and tobacco use prevention and cessation.

See the information under *Introductory Subjects Added to Elementary or Secondary Subjects* for details on course work covering sexually transmitted diseases including HIV/AIDS and drug, alcohol and tobacco use prevention and cessation. Parenting Education courses are usually found in the Home

Economics (including Family Science or Human Environment), Psychology, and Sociology departments.

There are currently very few courses on violence prevention in the four-year colleges and universities, but the subject is gaining attention and institutions seem to be adding courses to fulfill the need. To meet this requirement, the course should concentrate on children and youth, rather than adults.

The course work for the subject area of *Accounting Including Finance* must cover both subject areas.

Course work in retail merchandising, advertising, consumer behavior, sales, promotion, and salesmanship are acceptable for the *Marketing/Entrepreneurship* subject area. Entrepreneurship is owning and operating a business. The course work must cover both subject areas.

Course work in word and data processing, business management, personnel management information systems, business communications, business English, shorthand, typing, and business law is acceptable for the *Office Technologies including Word Processing and Business Communications* subject area.

Questions

If you have questions, please contact the Information Services Office at (916) 445-7256 weekday afternoons from 12:30 to 4:30 p.m. or e-mail us at credentials@ctc.ca.gov.

Supplementary Authorizations

for Single Subject, Standard Secondary and Special Secondary* Teaching Credentials
(Regulations effective 1-1-97)

The holder of a Single Subject, Standard Secondary, or Special Secondary* Teaching Credential may have one or more of the subjects commonly taught in departmentalized classes and listed below added to his or her credential as a supplementary authorization by verifying completion of the following requirements specified in Title 5, California Code of Regulations, §80089, 80089.1, and 80089.2. Supplementary authorizations cannot be issued in any subject that falls within the statutory single subject category of an applicant's Single Subject Teaching Credential.

REQUIREMENTS:

Official transcripts showing the completion of either a or b:

- a. 20 semester units (or 10 upper division semester units) of non-remedial course work in the subject, completed at a regionally accredited community college, college, or university. The "Introductory" subjects require at least one course in each of the specified areas listed; the balance of the 10 or 20 units may be in any course within the subject category. A grade of "C" or higher is required in every course used to meet this requirement. Education and education methodology classes will not be counted unless the applicant can get a letter from the chair of the subject area department stating that the course is equivalent to one offered by that department. Non-remedial courses are those which are applicable to a bachelor's degree or a higher degree at a regionally accredited college or university.
- b. A collegiate major from a regionally accredited college or university in a subject directly related to the subject to be listed (i.e., a major in the subject itself or in a subject which subsumes the subject requested).

INTRODUCTORY SUBJECTS:

The subjects which may be listed on the credential are printed below in **bold**. To obtain a subject, the teacher must verify at least one course in each of the areas listed after that subject. These subjects authorize the holder to teach at any grade level (preschool, kindergarten, grades 1-12, or in classes organized primarily for adults) **only** the subject matter content typically included for that subject in curriculum guidelines and textbooks for study in grades 9 and below.

Introductory Agriculture: animal science, plant science, and agricultural mechanics

Introductory Art: drawing and painting, art history or appreciation, and crafts

Introductory Business: business management, business marketing or introduction to business, computer concepts and applications, economics, business communications or business English, and accounting

Introductory English: composition, literature, and grammar or language structure

Introductory Language Other Than English (Specify): grammar, composition, conversation, and literature, plus oral language proficiency; see the reverse for information on verifying the oral language requirement

Introductory Health Science: substance abuse (including alcohol, drug, and tobacco); family life education (including human sexuality, HIV/AIDS, and sexually transmitted diseases); nutrition; comprehensive school health systems or programs; and health education theory, behavior, or foundations

Introductory Home Economics: food and nutrition, clothing, child development, and family life and parenting (course of study must include course work in both food and nutrition but the areas may be covered with one course; the same is true for the family life and parenting area; at least one course must include a laboratory component)

Introductory Industrial Arts: drafting or graphic arts, woods or metals, and electricity or electronics

Introductory Mathematics: college algebra, geometry, and development of the real number system or introduction to mathematics; or three courses in calculus or other mathematics courses for which algebra and geometry are prerequisites (all course work shall be at least at a level for which intermediate algebra is a prerequisite)

Introductory Music: vocal music, instrumental music, music history or appreciation, and music theory

Introductory Physical Education: team sports and games; fundamental and creative movement skills (such as dance and gymnastics); human movement, motor development, and/or motor learning; and individual, dual, nontraditional, and global sports and games (such as aquatics, conditioning, and archery)

Introductory Science: biological sciences, chemistry, geosciences, and physics (the course work must include a one year sequence of courses in at least two of the listed subject areas and at least one course must include a laboratory component)

Introductory Social Science: United States history, California history, world history, geography, and United States government

SPECIFIC SUBJECTS:

These subjects authorize the holder to teach the specific subject at any grade level (preschool, kindergarten, grades 1-12, and classes organized primarily for adults).

Accounting including finance	Economic and consumer education	Metals (industrial arts)
Agricultural mechanics	Electronics	Office technologies including word processing and business communications
Animal science	English Composition	Ornamental horticulture
Anthropology	Family life and parenting (home economics)	Painting and drawing
Auto mechanics	Family life education including drug, alcohol and tobacco use prevention (health science) ★	Photography
Biological Sciences ✓	Food and nutrition (home economics) ✦	Physics ✓
Chemistry ✓	Forestry and horticulture	Plant Science
Child development (home economics) ✦	Geography	Plastics (industrial arts)
Clothing and textiles (home economics) ✦	Geosciences ✓	Psychology
Comparative political systems and international relations	Graphic Arts	Sociology
Computer concepts and applications	Industrial crafts and plastics	Speech
Consumer education (home economics)	Instrumental music	US Government and US Civics
Crafts, including jewelry and ceramics (art)	Interior design (home economics) ✦	US History and California History
Dance	Journalism	Vocal music
Drafting	Literature	Woods (industrial arts)
Drama	Marketing/entrepreneurship	World history
Economics		

✦ Subjects marked must include a laboratory component.

★ Family life education including drug, alcohol, and tobacco use prevention (health science) must include the following components: sexually transmitted diseases including HIV/AIDS, human development and human sexuality, parenting education, violence prevention, and drug, alcohol and tobacco use prevention and cessation.

✓ The specific subjects in science must include the components for that area as shown below. At least one course must include a laboratory component.

Biological Sciences: Molecular and Cellular Biology, Biology of Organisms, and Evolution

Chemistry: Structure and Stability, and Chemical Reactions

Geosciences: Astronomy, Geology, Meteorology, and Oceanography

Physics: Energy-Mechanics, Energy-Heat, Energy-Electricity and Magnetism, Wave Motion, and Atomic and Nuclear Physics

ORAL LANGUAGE PROFICIENCY:

Oral language proficiency in the language to be listed on the credential may be verified by either:

- (1) passage of the speaking and listening sections of Test 6 of the Crosscultural Language and Academic Development/Bilingual Crosscultural Language and Academic Development (CLAD/BCLAD) Examinations,
- (2) a letter from the Chair of the Language Department of a regionally accredited four-year college or university stating that the applicant's oral proficiency is equivalent to that of a person with a bachelor's degree with a major in that language, **or**
- (3) a letter from the authorized person at a college or university that has an approved Bilingual Crosscultural Language and Academic Development (BCLAD) Emphasis Credential Program stating that the applicant's proficiency in that language is equivalent to the level required to complete that program.

Teachers wishing to earn a supplementary authorization in Portuguese may also fulfill the oral language proficiency requirement by verifying passage of the Bilingual Certificate of Competence assessment administered by the following Commission-approved assessor agency:

Merced County Office of Education
Office of Multilingual Multicultural Education
632 W. 13th Street
Merced, CA 95340

Contact person: Sharon Twitty (209) 385-8406

*SPECIAL SECONDARY TEACHING CREDENTIALS:

To be a valid prerequisite credential per EC §44256, this credential must have been issued on the basis of at least a bachelor's degree, a student teaching requirement, and 24 semester units of course work in the subject specialty of the credential. Only Special Secondary Credentials in the subjects of Art, Business Education, Homemaking, Industrial Arts, Music, Physical Education, Speech Arts, and Vocational Agriculture meet this requirement.

CL-603 12/96

CL-603a 12/96

Supplementary Authorizations
for Multiple Subject and Standard Elementary Teaching Credentials
(Regulations effective 1-1-97)

The holder of a Multiple Subject or Standard Elementary Teaching Credential may have one or more of the subjects listed below added to his or her credential as a supplementary authorization by verifying completion of the following requirements specified in Title 5, California Code of Regulations, §80057.5.

REQUIREMENTS:

Official transcripts showing the completion of either a or b:

- a. 20 semester units (or 10 upper division semester units) of non-remedial course work in the subject, completed at a regionally accredited community college, college, or university, with at least one course in each of the specified areas listed below. The balance of the 10 or 20 semester hours may be in any course within the subject category. A grade of "C" or higher is required in every course used to meet this requirement. Education and education methodology classes will not be counted unless the applicant can get a letter from the chair of the subject area department stating that the course is equivalent to one offered by that department. Non-remedial courses are those which are applicable to a bachelor's degree or a higher degree at a regionally accredited college or university.
- b. A collegiate major from a regionally accredited college or university in a subject directly related to the subject to be listed (i.e., a major in the subject itself or in a subject which subsumes the subject requested).

SUPPLEMENTARY SUBJECTS:

The subjects which may be listed on the credential are printed below in **bold**. To obtain a subject, the teacher must verify the completion of at least one course in each of the areas listed after that subject. These subjects authorize the holder to teach departmentalized classes related to the supplementary authorization in grades 9 and below.

Agriculture: animal science, plant science, and agricultural mechanics

Art: drawing and painting, art history or appreciation, and crafts

Business: business management, business marketing or introduction to business, computer concepts and applications, economics, business communications or business English, and accounting

Computer Concepts and Applications: software evaluation and selection, hardware operation and functions, and classroom uses of computers

English: grammar or language structure, composition, and literature

A Language Other Than English (Specify): grammar, composition, conversation, and literature, plus oral language proficiency; see the reverse for information on verifying the oral language requirement

Health Science: substance abuse (including alcohol, drug, and tobacco); family life education (including human sexuality, HIV/AIDS, and sexually transmitted diseases); nutrition; comprehensive school health systems or programs; and health education theory, behavior, or foundations

Home Economics: food and nutrition, clothing, child development, and family life and parenting (course of study must include course work in both food and nutrition but the areas may be covered with one course; the same is true for the family life and parenting area; at least one course must include a laboratory component)

Industrial Arts: drafting or graphic arts, woods or metals, and electricity or electronics

Mathematics: algebra, geometry, and development of the real number system or introduction to mathematics; or three courses in calculus or other mathematics courses for which algebra and geometry are prerequisites (all course work shall be at least at a level for which intermediate algebra is a prerequisite)

Music: vocal music, instrumental music, music history or appreciation, and music theory

Physical Education: team sports and games; fundamental and creative movement skills (such as dance and gymnastics); human movement, motor development, and/or motor learning; and individual, dual, nontraditional and global sports and games (such as aquatics, conditioning, and archery)

Science: biological sciences, chemistry, geosciences, and physics (must include a one-year sequence of courses in at least two of the listed subject areas, at least one course must include a laboratory component)

Social Science: United States history, California history, world history, geography, and United States government

ORAL LANGUAGE PROFICIENCY:

Oral language proficiency in the language to be listed on the credential may be verified by either:

- (1) passage of the speaking and listening sections of Test 6 of the Crosscultural Language and Academic Development/Bilingual Crosscultural Language and Academic Development (CLAD/BCLAD) Examinations,
- (2) a letter from the Chair of the Language Department of a regionally accredited four-year college or university stating that the applicant's oral proficiency is equivalent to that of a person with a bachelor's degree with a major in that language, **or**
- (3) a letter from the authorized person at a college or university that has an approved Bilingual Crosscultural Language and Academic Development (BCLAD) Emphasis Credential Program stating that the applicant's proficiency in that language is equivalent to the level required to complete that program.

Teachers wishing to earn a supplementary authorization in Portuguese may also fulfill the oral language proficiency requirement by verifying passage of the Bilingual Certificate of Competence assessment administered by the following Commission-approved assessor agency:

Merced County Office of Education
Office of Multilingual Multicultural Education
632 W. 13th Street
Merced, CA 95340

Contact person: Sharon Twitty
(209) 385-8406

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**DIVISION VIII OF TITLE 5
CALIFORNIA CODE OF REGULATIONS**

Supplementary Authorizations

§80057.5. Adding Supplementary Authorizations to Teaching Credentials Used Predominantly in Elementary Schools.

- (a) The holder of a valid teaching credential specified in Education Code Section 44256(b) may have one or more of the subjects listed in subsection (c) added as a supplementary authorization. The candidate or an approved institution shall verify completion of either (1) or (2) below:
- (1) 20 semester hours or 10 upper division semester hours of non-remedial collegiate course work in each subject from subsection (c) to be listed, or
 - (2) a collegiate major in a subject directly related to each subject from subsection (c) to be listed.
- A "C" grade or above in any course used to meet the provisions of this section shall be required. Non-remedial coursework for the purposes of this section shall be defined as coursework that is applicable toward a bachelor's degree or a higher degree at a regionally accredited college or university.
- (b) Candidates seeking supplementary authorization in any language other than English shall, in addition to requirements specified in subsection (a), submit verification of having either (1), (2), (3), or (4) below:
- (1) passed the oral language portion of the Bilingual Certificate of Competence Examination in the language to be listed on the credential. Such verification shall be in the form of a letter from any institution or other educational agency, approved by the Commission as an assessor agency for the Bilingual Certificate of Competence. Whenever a written assessment instrument for a language other than Spanish is not available, a panel may be used by assessor agencies to assess a candidate's knowledge of the target language competencies, in accordance with Commission guidelines regulating assessment for languages other than Spanish, or
 - (2) passed the speaking and listening sections of Test 6 of the Crosscultural Language and Academic Development/Bilingual Crosscultural Language and Academic Development (CLAD/BCLAD) Examinations described in Section 80015.3 in the language to be listed on the credential; or
 - (3) oral proficiency in the language to be listed on the credential at a level equivalent to that of a person with a bachelor's degree with a major in that language. This level of proficiency shall be verified by a letter from the Chair of the Language Department of a regionally accredited four year college or university, or
 - (4) oral proficiency in the language to be listed on the credential at the level required to complete a Bilingual Emphasis or Bilingual Crosscultural Language and Academic Development (BCLAD) Emphasis Credential Program as verified by a letter from a person authorized to issue such verification by the college or university that offers such a program.
- (c) The following subjects may be added as supplementary authorizations to a valid teaching credential specified in Education Code Section 44256(b):

- (1) Agriculture, including at least one course in each of the following areas: animal science, plant science, and agricultural mechanics;
 - (2) Art, including at least one course in each of the following areas: drawing and painting, art history or appreciation, and crafts;
 - (3) Business, including at least one course in each of the following areas: business management, business marketing or introduction to business, computer concepts and applications, economics, business communications or business English, and accounting;
 - (4) Computer Concepts and Applications, including at least one course in each of the following areas: software evaluation and selection, hardware operation and functions, and classroom uses of computers;
 - (5) English, including at least one course in each of the following areas: grammar or language structure, composition, and literature;
 - (6) A Language Other Than English (Specify), including at least one course in the language covering each of the following areas: grammar, composition, conversation, and literature;
 - (7) Health Science, including at least one course in each of the following areas: substance abuse (including alcohol, drug, and tobacco), family life education (including human sexuality, HIV/AIDS, and sexually transmitted diseases), nutrition, comprehensive school health systems or programs, and health education theory, behavior, or foundations;
 - (8) Home Economics, including at least one course in each of the following areas: food and nutrition, clothing, child development, and family life and parenting;
 - (9) Industrial Arts, including at least one course in each of the following areas: drafting or graphic arts, woods or metals, and electricity or electronics;
 - (10) Mathematics, including at least one course in each of the following areas (all course work shall be at least at a level for which intermediate algebra is a prerequisite): algebra, geometry, and development of the real number system or introduction to mathematics; or three courses in calculus or other mathematics courses for which algebra and geometry are prerequisites;
 - (11) Music, including at least one course in each of the following areas: vocal music, instrumental music, music history or appreciation, and music theory;
 - (12) Physical Education, including at least one course in each of the following areas: team sports and games, fundamental and creative movement skills (such as dance and gymnastics), human movement, motor development, and/or motor learning, and individual, dual, nontraditional and global sports and games (such as aquatics, conditioning, and archery);
 - (13) Science, including at least one course in each of the following areas: biological sciences, chemistry, geosciences, and physics; and
 - (14) Social Science, including at least one course in each of the following areas: United States history, California history, world history, geography, and United States government.
- (d) Home Economics Supplementary Authorizations must include a laboratory component in one of the listed subject areas. The course of study must cover both subject areas of food and nutrition but a single course may be used to meet the requirement. The course of study must cover both subject areas of family life and parenting, but a single course may be used to meet the requirement.

- (e) Science Supplementary Authorizations Authorized by 80057.5((c)13) shall include a one-year sequence of courses in at least two of the listed subject areas. At least one course must include a laboratory component.
- (f) A subject specified in subsection (c) and listed on a teaching credential in Education Code Section 44256(b) as a supplementary authorization shall authorize the teaching of courses related to that subject in departmentalized classes in grades 9 and below.
- (g) Applicants who are progressing towards completion of supplementary authorization requirements as they existed on July 1, 1996, shall have until July 1, 1998, to apply for said authorizations.

Note: Authority cited: Section 44225(b), Education Code. Reference: Section 44256(b), Education Code.

§80089. Adding Supplementary Authorizations to Teaching Credentials Used Predominantly in Secondary Schools.

- (a) The holder of a valid teaching credential specified in Education Code Section 44256(a) may have one or more of the subjects listed in Sections 80089.1 and 80089.2, added as a supplementary authorization. The candidate or an approved institution shall verify completion of either (1) or (2) below:
 - (1) 20 semester hours or 10 upper division semester hours of non-remedial collegiate coursework in a subject listed in Sections 80089.1 or 80089.2, or
 - (2) a collegiate major in a subject directly related to each subject listed in Sections 80089.1 or 80089.2. A "C" grade or above in any course used to meet provisions of this section shall be required. Non-remedial coursework for the purposes of this sections shall be defined as coursework that is applicable to a bachelor's degree or a higher degree at a regionally accredited college or university.
- (b) Authorization.
 - (1) A supplementary authorization added under the provisions of Section 80089.1 authorizes the holder to teach that subject at any grade level; preschool, kindergarten, grades 1-12, or in classes organized primarily for adults;
 - (2) A supplementary authorization added under the provisions of Section 80089.2 authorizes the holder to teach at any grade level (preschool, kindergarten, grades 1-12, or in classes organized primarily for adults) only the subject matter content typically included for that subject in curriculum guidelines and textbooks for study in grades 9 and below.
- (c) Applicants who are progressing toward completion of supplementary authorization requirements as they existed on July 1, 1996, shall have until July 1, 1998, to apply for said authorizations.

Note: Authority cited: Section 44225, Education Code. Reference: Sections 44256 and 44349, Education Code.

§80089.1. Subjects Added as Supplementary Authorizations (Specific Subjects).

(a) The following listed subjects may be added as supplementary authorizations to a valid teaching credential specified in Education Code Section 44256(a):

Accounting including finance	Industrial crafts and plastics
Agricultural mechanic	Instrumental music
Animal science	Interior design (home economics)
Anthropology	
Auto mechanics	Journalism
Biological Sciences	Literature
Chemistry	Marketing/entrepreneurship
Child development (home economics)	Metals (industrial arts)
Clothing and textiles (home economics)	
Comparative political systems and international relations	Office technologies including word processing and business communications
Computer concepts and applications	Ornamental horticulture
Consumer education (home economics)	Painting and drawing
Consumer education (home economics)	Photography
	Physics
Dance	Plastics (industrial arts)
Drafting	Psychology
Drama	
	Sociology
Economics	Speech
Economic and consumer education	
Electronics	US Government and US Civics
English Composition	US History and California History
Family life and parenting (home economics)	Vocal Music
Family life education including drug, alcohol and tobacco use prevention (health science)	
Food and nutrition (home economics)	Woods (industrial arts)
Forestry and horticulture	World History
Geography	
Geosciences	
Graphic Arts	

(b) A supplementary authorization in a specific subject of Science may be added to a valid teaching credential specified in Education Code Section 44256(a). The course of study for Biological Sciences or Chemistry or Geosciences or Physics must include each of the components for that area. One of the courses must include a laboratory component.

- (1) Biological Sciences, including: Molecular and Cellular Biology, Biology of Organisms, and Evolution.
- (2) Chemistry, including: Structure and Stability, and Chemical Reactions.
- (3) Geosciences, including: Astronomy, Geology, Meteorology and Oceanography.

- (4) Physics, including: Energy - Mechanics, Energy - Heat Energy - Electricity and Magnetism, Wave Motion and Atomic and Nuclear Physics.
- (c) A supplementary authorization in each of the specific subjects of Child development (home economics), Clothing and textiles (home economics), Food and nutrition (home economics), and Interior design (home economics) must include a laboratory component.
- (d) A supplementary authorization in the specific subject of Family life education including drug, alcohol, and tobacco use prevention (health science) must include the following components: sexually transmitted diseases including HIV/AIDS, human development and human sexuality, parenting education, violence prevention, and drug, alcohol and tobacco use prevention and cessation.

Note: Authority cited: Section 44225, Education Code. Reference: Sections 44256 and 44349, Education Code.

§80089.2. Subjects Added as Introductory Supplementary Authorizations.

- (a) Candidates seeking supplementary authorization in any language other than English shall, in addition to the requirements specified in Section 80089, submit verification of having either (1), (2), (3), or (4) below:
 - (1) passed the oral language portion of the Bilingual Certificate of Competence Examination in the language to be listed on the credential. Such verification shall be in the form of a letter from any institution or other educational agency, approved by the Commission as an assessor agency for the Bilingual Certificate of Competence. Whenever a written assessment instrument for a language other than Spanish is not available, a panel may be used by assessor agencies to assess a candidate's knowledge of the target language competencies, in accordance with Commission guidelines regulating assessment for languages other than Spanish, or
 - (2) passed the speaking and listening sections of Test 6 of the Crosscultural Language and Academic Development/Bilingual Crosscultural Language and Academic Development (CLAD/BCLAD) Examinations described in Section 80015.3 in the language to be listed on the credential; or
 - (3) oral proficiency in the language to be listed on the credential at a level equivalent to that of a person with a bachelor's degree with a major in that language. This level of proficiency shall be verified by a letter from the Chair of the Language Department of a regionally accredited 4 year college or university; or
 - (4) oral proficiency in the language to be listed on the credential at the level required to complete a Bilingual Emphasis or Bilingual Crosscultural Language and Academic Development (BCLAD) Emphasis Credential Program as verified by a letter from a person authorized to issue such verification by the college or university that offers such a program.
- (b) The following listed subjects may be added as introductory supplementary authorizations to a valid teaching credential specified in Education Code Section 44256(a).
 - (1) Introductory Agriculture, including at least one course in each of the following areas: animal science, plant science, and agricultural mechanics;
 - (2) Introductory Art, including at least one course in each of the following areas: drawing and painting, art history or appreciation, and crafts;

- (3) Introductory Business, including at least one course in each of the following areas: business management, business marketing or introduction to business, computer concepts and applications, economics, business communications or business English, and accounting;
 - (4) Introductory English, including at least one course in each of the following areas: composition, literature, and grammar or language structure;
 - (5) Introductory Language Other Than English (Specify), including at least one course in the language covering each of the following areas: grammar, composition, conversation, and literature;
 - (6) Introductory Health Sciences, including at least one course in each of the following areas: substance abuse (including alcohol, drug, and tobacco), family life education (including human sexuality, HIV/AIDS, and sexually transmitted diseases), nutrition, comprehensive school health systems or programs, and health education theory, behavior, or foundations;
 - (7) Introductory Home Economics, including at least one course in each of the following areas: food and nutrition, clothing, child development, and family life and parenting;
 - (8) Introductory Industrial Arts, including at least one course in each of the following areas: drafting or graphic arts, woods or metals, and electricity or electronics;
 - (9) Introductory Mathematics, including at least one course in each of the following areas (all course work shall be at least at a level for which intermediate algebra is a prerequisite): college algebra, geometry, and development of the real number system or introduction to mathematics; or three courses in calculus or other mathematics courses for which algebra and geometry are prerequisites;
 - (10) Introductory Music, including at least one course in each of the following areas: vocal music, instrumental music, music history or appreciation, and music theory;
 - (11) Introductory Physical Education, including at least one course in each of the following areas: team sports and games, fundamental and creative movement skills (such as dance and gymnastics), human movement, motor development, and/or motor learning, and individual, dual, nontraditional and global sports and games (such as aquatics, conditioning, and archery);
 - (12) Introductory Science, including at least one course in each of the following areas: biological sciences, chemistry, geosciences, and physics; and
 - (13) Introductory Social Science, including at least one course in each of the following areas: United States history, California history, world history, geography, and United States government.
- (c) Introductory Home Economics Supplementary Authorizations must include a laboratory component in one of the listed subject areas. The course of study must cover both subject areas of food and nutrition but a single course may be used to meet the requirement. The course of study must cover both subject areas of family life and parenting, but a single course may be used to meet the requirement.
- (d) Introductory Science Supplementary Authorizations Authorized by 80089.2(b)(12) shall include a one year sequence of courses in at least two of the listed subject areas. At least one course must include a laboratory component.

NOTE: Authority cited: Section 44225, Education Code. Reference: Sections 44256 and 44349, Education Code.