



CODED CORRESPONDENCE

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

FROM:
Mary Vixie Sandy
Executive Director
Commission on Teacher Credentialing

SUBJECT: Approval of Additions and Amendments to Title 5 of the California Code of Regulations Pertaining to Mathematics Instructional Added Authorizations and Mathematics Instructional Leadership Specialist Credentials

Summary:

Additions and amendments to Title 5 of the California Code of Regulations pertaining to Mathematics Instructional Added Authorizations (MIAA) and Mathematics Instructional Leadership Specialist (MILS) Credentials were approved by the Office of Administrative Law and became effective on September 22, 2011. These amendments and additions implement recommendations made by the Commission-appointed Teaching Mathematics Advisory Panel (TMAP).

Key Provisions:

Requirements

The requirements for issuance of the MIAA and MILS Credential are provided below. Refer to the [Mathematics Instructional Leadership Specialist Credential \(MILS\) and Mathematics Instructional Added Authorization \(MIAA\)](#) leaflet (CL-898) for additional information.

Prerequisite Teaching Credential

An individual must hold a valid teaching credential that meets one of the following definitions to qualify for a MIAA or MILS Credential:

1. A general or special education teaching credential issued on the basis of a baccalaureate or higher degree from a regionally-accredited college or university and completion of a professional preparation program that included student teaching. Included in this definition are General and Standard Teaching Credentials, Multiple and Single Subject Teaching Credentials, and Education Specialist Instruction Credentials; or
2. A clear designated subjects teaching credential that authorizes the holder to teach on a full-time basis as long as the holder also possesses a baccalaureate degree from a regionally-accredited college or university and has satisfied the state basic skills requirement. "Clear Designated Subjects Teaching Credential" includes the Full-Time Vocational Education, Career Technical Education (CTE), and Adult Education Teaching Credentials, as well as the Clear CTE (initially issued January 1, 2009 or later) and Adult Education (initially issued

January 1, 2011 or later) Teaching Credentials that do not have ‘full-time’ or ‘part-time’ in their title.

English Learner Authorization

In addition to possession of a valid teaching credential, an individual must hold a California English learner authorization to qualify for a MIAA or MILS Credential. Examples of acceptable English learner authorizations are:

1. English learner or bilingual authorization listed on a teaching credential;
2. Crosscultural, Language, and Academic Development (CLAD) Emphasis or Certificate;
3. Bilingual, Crosscultural, Language, and Academic Development (BCLAD) Emphasis or Certificate;
4. Bilingual Authorization listed on an Educator Authorization document;
5. Clear Designated Subjects CTE Teaching Credential with the Specially Designed Academic Instruction in English (SDAIE) authorization;
6. Certificate of Completion of Staff Development; and
7. SB 1969 Certificate of Completion.

English learner authorizations listed on teaching permits, intern credentials, or variable term waivers will not satisfy this requirement.

Teaching Experience

Three years of successful full-time teaching experience is required for issuance of a MIAA or MILS Credential. It is the candidate’s responsibility to obtain a letter verifying the required teaching experience on the employer’s official letterhead. Successful teaching experience must be verified by the employer’s superintendent, assistant superintendent, director of personnel, or director of human resources. Teaching experience may be from any grade, preschool through adult. However, student teaching, intern teaching, or teaching while holding an emergency teaching permit or variable term waiver is not acceptable toward the three year requirement.

Professional Preparation Program

The TMAP developed the [Mathematics Instructional Added Authorization and Mathematics Instructional Leadership Specialist Credential Program Standards](#) that were adopted by the Commission in September 2010. Individuals must verify their mathematics content knowledge from kindergarten through Algebra I (for the program that leads to the pre-Algebra authorization) or from kindergarten through Algebra II (for the program that leads to the Algebra I authorization) for admittance to an approved MIAA or MILS Credential program. Mathematics content knowledge may be verified by a program sponsor through transcript evaluation or by passage of the Mathematics Instruction Authorization Examination (MIAE). Additional information concerning the MIAE is provided later in this correspondence.

At this time, there are no Commission-approved MIAA or MILS Credential programs available. However, upon approval by the Commission, a list of MIAA and MILS Credential programs will be posted on the approved programs chart under the [Specialist Credentials and Certificates: Math](#) heading.

Authorizations

The MIAA and MILS Credential authorize the holder to teach departmentalized mathematics in preschool, grades kindergarten through 12, and in classes organized primarily for adults at one of the following levels (depending on the program completed):

- up to and including the curriculum typically included for pre-Algebra; or
- up to and including the curriculum typically included for Algebra I

MIAA Additional Authorization

The holder of a MIAA will be authorized to perform the following duties at the *school site* level in addition to the teaching authorization listed on the document:

- develop and coordinate mathematics curriculum;
- coach mathematics teachers;
- design and implement intensive mathematics interventions;
- teach teachers to effectively intervene, accommodate, and differentiate their mathematics instruction to increase student engagement and proficiency in mathematics; and
- develop programs and deliver staff development for mathematics education programs.

MILS Credential Additional Authorization

The holder of a MILS Credential will be authorized to perform the following duties at the *school site, district, and county* levels in addition to the teaching authorization listed on the document:

- develop and coordinate mathematics curriculum;
- coach mathematics teachers;
- design and implement intensive mathematics interventions;
- teach teachers to effectively intervene, accommodate, and differentiate their mathematics instruction to increase student engagement and proficiency in mathematics;
- provide leadership in selecting the mathematics curricula and in developing a district-wide, county-wide, or state-wide cadre of mathematics teacher leaders;
- analyze and use data to restructure school and district mathematics programs to increase students' college-readiness; and
- develop programs and deliver staff development for mathematics education programs coordinated by school districts or county offices of education.

Mathematics Instruction Authorization Examination

The Mathematics Instruction Authorization Examination (MIAE) is a [California Subject Examinations for Teachers \(CSET\)](#) administered by Evaluation Systems, Pearson. The sole purpose of the MIAE is to allow an individual to verify mathematics content knowledge via examination for admittance to an approved MIAA or MILS Credential program. Passage of the MIAE cannot be used to satisfy the subject matter competence requirement for a Single Subject Teaching Credential or Education Specialist Instruction Credential.

Out-of-State Prepared Mathematics Specialists

October 1, 2011 was the final date for issuance of an initial Specialist Instruction Credential in Mathematics to an out-of-state prepared teacher. All individuals, including out-of-state prepared teachers, interested in obtaining a MIAA or MILS Credential must complete a Commission-approved program and obtain formal recommendation. Direct application to the Commission for a MIAA or MILS Credential is not an option.

Previously Issued Specialist Instruction Credentials in Mathematics

Specialist Instruction Credentials in Mathematics issued under previous regulations and program standards will be converted to the MILS Credential upon renewal. The converted MILS Credential will maintain the authorization to teach all levels of mathematics and the MILS Additional Authorization duties listed above will be included in the authorization statement.

No Child Left Behind (NCLB) Compliance

The California Department of Education has determined that the MIAA and MILS Credential are NCLB compliant for mathematics instruction up to the level authorized on the document (pre-Algebra or Algebra I). Because individuals are required to complete an advanced preparation program to earn a MIAA or MILS Credential, the MIAA and MILS Credential are considered to be advanced levels of certification.

Passage of the MIAE described above does not meet the requirements for NCLB compliance in Mathematics. An individual must obtain a MIAA or MILS Credential in order to be NCLB compliant for mathematics instruction at the level authorized on the document.

MIAA and MILS Credential Waivers

Intern credentials and permits are not available for the MIAA or MILS Credential. Therefore, individuals who hold appropriate prerequisite teaching credentials may apply for a MIAA or MILS Variable Term Waiver (VTW), especially while the programs are developed. Individuals applying for a MIAA or MILS VTW must meet the minimum requirements for an initial VTW and apply through a local employing agency. Additional information regarding VTWs is available in the [Waiver Handbook](#) (accessible only to employers).

Renewal of a MIAA or MILS VTW includes verification that the applicant has been admitted to a Commission-approved MIAA or MILS program (depending on the type of VTW held) and completion of six semester units of coursework applicable toward the associated document. If the holder of a VTW is unable to find MIAA or MILS coursework required for renewal, the individual may apply through a local employing agency for an extension by appeal to renew the waiver. The waiver packet for the extension must include a letter from the applicant stating that after a thorough search, neither MIAA/MILS coursework nor a MIAA/MILS program was available. The extension by appeal for renewal of a MIAA or MILS VTW will be available until December 31, 2013.

If the employer also requests a waiver for the basic skills requirement, the individual will need to complete the additional basic skills renewal requirements for a subsequent waiver regardless of whether MIAA or MILS Credential coursework is available.

Application Processing

The Commission is currently updating its computer system via the Credential Web Interface Project (CWIP). The Commission cannot add information to the current computer system during the development and implementation of the CWIP. Therefore, program sponsors recommending individuals for a MIAA or MILS Credential must submit paper applications to the Commission. Specific details on the paper application process will be distributed and sent to program sponsors and employers if a MIAA or MILS Credential program is approved before the CWIP is finalized.

Assignment Options

Possession of a MIAA or MILS Credential may not be required to provide services as a staff developer for mathematics or to coordinate mathematics programs. Subsections (a) and (b) of 5 California Code of Regulations (CCR) §80020.4 allow the holder of a basic (prerequisite) teaching credential to provide services as a staff developer at the school site, school district, and county levels. In addition, subsection (a) of 5 CCR §80020.4.1 allows the holder of a basic teaching credential to develop, direct, implement, or coordinate programs at a school site level. Refer to pages C-8 and C-9 of the [Administrators Assignment Manual](#) for additional information pertaining to these assignment options.

Important Dates:

September 22, 2011 – Effective date for Title 5 Regulations

October 1, 2011 – Final initial issuance date for Clear Mathematics Specialist Instruction Credentials to out-of-state prepared teachers

Background:

The Commission directed staff to convene a Teaching Mathematics Advisory Panel that included representatives from key stakeholder groups to investigate the need for updating and revising the Mathematics Specialist Credential program standards. The panel proposed creating the MIAA that requires advanced preparation and field experience in both mathematics content and the pedagogy of mathematics above and beyond what is required for the Multiple Subject Teaching Credential.

The panel further proposed revising and renaming the Specialist Instruction Credential in Mathematics to the MILS Credential. As supported by the panel, this authorization recognizes a higher level of specialized skills that will allow an individual to not only provide support to teachers, but also provide leadership at the K-12 level with respect to the teaching and learning of mathematics.

Source:

Education Code §44265

References:

Administrators Assignment Manual:

<http://www.ctc.ca.gov/credentials/manuals-handbooks/Administrator-Assignment-Manual.pdf>

CSET for Mathematics Instruction Authorization Examination (MIAE):

<http://www.cset.nesinc.com/miae/index.asp>

Mathematics Instruction Leadership Specialist Credential (MILS) and Mathematics Instructional Added Authorization (MIAA) leaflet (CL-898):

<http://www.ctc.ca.gov/credentials/leaflets/cl898.pdf>

Mathematics Instructional Added Authorization and Mathematics Instructional Leadership Specialist Credential Program Standards:

<http://www.ctc.ca.gov/educator-prep/standards/mathematics-specialist.pdf>

Specialist Credentials and Certificates: Math (approved programs chart):

http://134.186.81.79/fmi/xsl/CTC_apm/recordlist_SCCmath.html

Waiver Handbook (*accessible only to employers*):

<http://www.ctc.ca.gov/credentials/cig2/manuals/WaiverHandbook.pdf>

Contact Information:

Commission's Information Services Unit by telephone at 1-888-921-2682, Monday through Friday 12:00 pm to 4:45 pm or by email at: credentials@ctc.ca.gov.

**CALIFORNIA CODE OF REGULATIONS
TITLE 5. EDUCATION
DIVISION 8. COMMISSION ON TEACHER CREDENTIALING**

§80069.2. Specific Requirements for the Mathematics Instructional Added Authorization.

(a) The minimum requirements for the Mathematics Instructional Added Authorization shall include (1) through (5):

- (1) possession of a valid basic California teaching credential as defined in Education Code section 44203(e) and an English learner authorization;
- (2) verification of three years of successful full-time teaching experience in any grades preschool through adult, exclusive of student teaching, intern teaching, or teaching while holding an emergency or teaching permit. The candidate shall be responsible for obtaining verification of this experience on the official letterhead of the district or districts by the superintendent, assistant superintendent, director of personnel, or director of human resources in which the teacher was employed;
- (3) completion of a professional preparation program based on the *Mathematics Instructional Added Authorization and Mathematics Instructional Leadership Specialist Credential Program Standards* (rev. 3/11), available on the Commission's website and hereby incorporated by reference, accredited by the Committee on Accreditation as specified in Education Code section 44373(c) for the Mathematics Instructional Added Authorization, including successful completion of supervised field experience appropriate to the specialization area, at one of the levels specified below:
 - (A) mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I; or
 - (B) mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra II;
- (4) a completed application form as listed in section 80001(b)(2) and the appropriate fee as specified in section 80487(a)(1); and

- (5) recommendation from a Commission-approved Mathematics Instructional Added Authorization program as specified in Education Code section 44227(b).

(b) Term.

The Mathematics Instructional Added Authorization issued on the basis of the completion of all requirements shall remain valid as long as the prerequisite credential listed in subdivision (a)(1) remains valid.

- (c) Authorization. The Mathematics Instructional Added Authorization authorizes the holder to provide the following:

- (1) to teach mathematics in grades twelve and below, including preschool and classes organized primarily for adults as follows:

- (A) individuals who complete the program specified in (a)(3)(A) are authorized to teach the mathematics content typically included in curriculum guidelines and textbooks up to and including pre-Algebra; or

- (B) individuals who complete the program specified in (a)(3)(B) are authorized to teach mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I.

- (2) develop and coordinate mathematics curriculum; coach mathematics teachers; design and implement intensive mathematics interventions; teach teachers to effectively intervene, accommodate, and differentiate their mathematics instruction to increase student engagement and proficiency in mathematics; and develop programs and deliver staff development for mathematics education programs at the school site level.

Note: Authority cited: Section 44225(q), Education Code. Reference: Sections 44225(b) and (e), 44227(b), 44256(c), 44265 and 44373(c), Education Code.

§80070. Specific Requirements for the Clear Mathematics Instructional Leadership Specialist Credential and the Mathematics Specialist Instruction Credential.

- (a) The minimum requirements for the clear Mathematics Instructional Leadership Specialist Credential for applicants who complete a professional preparation program in California shall include (1) through (5):

- (1) possession of a valid basic California teaching credential as defined in Education Code section 44203(e) and an English learner authorization;
- (2) verification of three years of successful full-time teaching experience in any grades preschool through adult, exclusive of student teaching, intern teaching, or teaching while holding an emergency or teaching permit. The candidate shall be responsible for obtaining verification of this experience on the official letterhead of the district or districts by the superintendent, assistant superintendent, director of personnel, or director of human resources in which the teacher was employed;

- (3) completion of a post baccalaureate professional preparation program based on the *Mathematics Instructional Added Authorization and Mathematics Instructional Leadership Specialist Credential Program Standards* (rev. 3/11), available on the Commission's website and hereby incorporated by reference, accredited by the Committee on Accreditation as specified in Education Code section 44373(c) for the Mathematics Instructional Leadership Specialist Credential, including successful completion of supervised field experience appropriate to the specialization area, at one of the levels specified below:
 - (A) mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I; or
 - (B) mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra II;
 - (4) a completed application form as listed in section 80001(b)(2) and the appropriate fee as specified in section 80487(a)(1); and
 - (5) the recommendation from a Commission-approved Mathematics Instructional Leadership Specialist Credential program as specified in section 44227(b).
- (b) The minimum requirements for the clear Mathematics Specialist Instruction Credential for applicants who complete a professional preparation program outside California shall include (1) through (4). Applicants may apply directly to the Commission for the clear Mathematics Specialist Instruction Credential under this section:
- (1) possession of a valid California teaching credential as defined in Education Code section 44203(e) and an English learner authorization;
 - (2) verification of three years of successful full-time teaching experience in any grades preschool through adult, exclusive of student teaching, intern teaching, or teaching while holding an emergency or teaching permit. The candidate shall be responsible for obtaining verification of this experience on the official letterhead of the district or districts by the superintendent, assistant superintendent, director of personnel, or director of human resources in which the teacher was employed;
 - (3) completion of a post baccalaureate professional preparation program comparable to a program accredited by the Committee on Accreditation for the Mathematics Specialist Instruction Credential, including successful completion of supervised field experience appropriate to the specialization area but taken outside California. The program must be from a regionally accredited institution of higher education and approved by the appropriate state agency where the course work was completed; and
 - (4) a completed application form as listed in section 80001(b)(2) and the appropriate fee as specified in section 80487(a)(1).

(c) Term.

The clear Mathematics Instructional Leadership Specialist Credential and the Mathematics Specialist Instruction Credential issued on the basis of the completion of all requirements shall be dated as follows:

- (1) if the basic teaching credential listed in (a)(1) or (b)(1) is valid for five years or less from the issuance date of the Mathematics Instructional Leadership Specialist Credential or the Mathematics Specialist Instruction Credential, the credential shall be valid from the issuance date established in section 80440 and will expire on the expiration date of the basic teaching credential.
- (2) if the basic teaching credential listed in (a)(1) or (b)(1) is valid for more than five years from the issuance date of the Mathematics Instructional Leadership Specialist Credential or the Mathematics Specialist Instruction Credential, the credential shall be valid for five years from the issuance date established in section 80440 and will expire the first day of the following month.

(d) Authorization.

- (1) The Mathematics Specialist Instruction Credential authorizes the holder to teach mathematics in grades twelve and below, including preschool, and in classes organized primarily for adults.
- (2) The Mathematics Instructional Leadership Specialist Credential authorizes the holder to teach mathematics in grades twelve and below, including preschool and classes organized primarily for adults as follows:
 - (A) individuals who complete the program specified in (a)(3)(A) are authorized to teach the mathematics content typically included in curriculum guidelines and textbooks up to and including pre-Algebra; or
 - (B) individuals who complete the program specified in (a)(3)(B) are authorized to teach mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I.
- (3) The Mathematics Specialist Instruction Credential and the Mathematics Instructional Leadership Specialist Credential also authorize the holder to:
 - (A) develop and coordinate mathematics curriculum;
 - (B) coach mathematics teachers;
 - (C) design and implement intensive mathematics interventions;
 - (D) teach teachers to effectively intervene, accommodate, and differentiate their mathematics instruction to increase student engagement and proficiency in mathematics;

- (E) provide leadership in selecting the mathematics curricula and in developing a district-, county- or state-wide cadre of mathematics teacher leaders;
 - (F) analyze and use data to restructure school and district mathematics programs to increase students' college-readiness; and
 - (G) develop programs and deliver staff development for mathematics education programs coordinated by school districts or county offices of education.
- (e) The clear Mathematics Specialist Instruction Credential specified in (b) shall not be initially issued after October 1, 2011. Individuals who are issued a Mathematics Specialist Instruction Credential on or before October 1, 2011 will be issued a Mathematics Instructional Leadership Specialist Credential with the authorizations specified in (d)(1) and (d)(3) upon renewal.

Note: Authority cited: Section 44225(q), Education Code. Reference: Sections 44225(b) and (e), 44227(b), 44251, 44256(c) 44265 and 44373(c), Education Code.