



## CODED CORRESPONDENCE

<b>DATE:</b> June 25, 2007	<b>NUMBER:</b> 07-09
<b>TO:</b> All Individuals and Groups Interested in the Activities of the Commission on Teacher Credentialing	<b>FROM:</b> Dale A. Janssen Executive Director Commission on Teacher Credentialing
<b>SUBJECT: Single Subject Credential in Foundational-Level Mathematics</b>	

### **Summary:**

The Commission has recently completed a review of the Single Subject Credential in Foundational-Level Mathematics (FLM) including both the requirements and authorization. Questions have been raised concerning the assignment of individuals with this authorization in the public schools. This correspondence clarifies the use of the FLM and updates the requirements and authorization for the credential.

### **Key Provisions:**

#### *Requirements*

The subject matter requirement for a credential in FLM may be satisfied by either passing the appropriate subject-matter examinations or by completing a Commission-approved subject-matter preparation program. These two options are described below.

#### Option 1 - Meeting Subject Matter Via Examination

Individuals who choose to satisfy the subject matter requirement by the examination option must obtain passing scores on the first two subtests of the CSET: Mathematics. These subtests include: Subtest I: Algebra; Number Theory (test code 110) and Subtest II: Geometry; Probability and Statistics (test code 111). Information on the CSET examination including test dates and registration information may be found by visiting the link found in the Reference section.

#### Option 2 - Meeting Subject Matter Via Program

Institutions of higher education may offer a program of subject matter preparation in FLM. Currently there are no institutions with an approved FLM programs. Proposals by additional institutions wishing to offer an FLM program may be sent to the Commission for review and approval to the attention of Helen Hawley.

Individuals seeking initial certification in FLM must also complete all other requirements for the Single Subject Teaching Credential including a baccalaureate degree, an appropriate teacher preparation program, the basic skills requirement, and personal and professional fitness verification. California-prepared candidates for Single Subject Teaching Credentials in FLM must receive the recommendation of a California college or university with a Commission-approved Single Subject Teaching Credential program. Out-of-state prepared or teachers prepared outside the United States may apply directly to the Commission by submitting the appropriate materials as listed on the leaflets in the Reference section. Individuals prepared outside of California may request the FLM authorization in lieu of the full mathematics authorization if they wish to only teach the subject areas authorized by the FLM authorization.

Individuals who already hold appropriate California teaching credentials and wish to add FLM should review the credential requirements on the applicable leaflet found in the Reference section.

#### *Authorization*

The FLM authorizes the holder to teach the following content areas: general mathematics, all levels of algebra, geometry, probability and statistics, and consumer mathematics. Calculus and math analysis classes are outside the scope of the authorization. The authorization that appears on the Single Subject in Foundational-Level Mathematics appears below

*This document authorizes the holder to teach the content areas in general mathematics, algebra, geometry, probability and statistics, and consumer mathematics in grades twelve and below, including preschool, and in classes organized primarily for adults.*

Trigonometry is not included in the authorization for FLM. If the content of a precalculus (or any other math) class has a significant focus in trigonometry, the FLM credential does not authorize such an assignment. It is important to note that math is a progressively structured academic discipline and it is likely that some introduction to trigonometry might occur at the end of an algebra or geometry class. This introduction of trigonometry in an algebra or geometry class is authorized by the FLM credential. An introduction to the next progression area of math does not require an authorization in the introduced area of math.

#### **Background:**

The Commission began offering additional subject areas for the Single Subject Teaching Credential in FLM and four new areas in science: Biological Sciences (Specialized), Chemistry (Specialized), Physics (Specialized), and Geosciences (Specialized) in April of 2003. Single Subject Teaching Credentials in Mathematics and in Science continue to be available. The goal of adding these subject areas is to encourage more individuals to obtain mathematics and science certification. The changes were announced in Coded Correspondence 03-0010.

#### **References:**

Single Subject Teaching Credential leaflet (California Prepared):

<http://www.ctc.ca.gov/credentials/leaflets/cl560c.pdf>

Single Subject Teaching Credential leaflet (Out-of-State Prepared):

<http://www.ctc.ca.gov/credentials/leaflets/cl560.pdf>

Single Subject Teaching Credential leaflet (Prepared Outside the United States):

<http://www.ctc.ca.gov/credentials/leaflets/cl870.pdf>

Adding an Authorization to Ryan Credential leaflet:

<http://www.ctc.ca.gov/credentials/leaflets/cl621a.pdf>

Adding Authorizations to a Pre-Ryan Credential leaflet:

<http://www.ctc.ca.gov/credentials/leaflets/cl621.pdf>

CSET examinations: [www.cset.nesinc.com](http://www.cset.nesinc.com)

Coded 03-0010: <http://www.ctc.ca.gov/notices/coded/030010/030010.pdf>

### **Contact Information:**

#### *Requirements to earn a Single Subject Credential*

Contact the Commission's Information Services Unit by telephone at 1-888-921-2682, Monday through Friday between 1:00 pm to 4:45 pm or by email at [credentials@ctc.ca.gov](mailto:credentials@ctc.ca.gov).

#### *Authorization for the Single Subject Credential*

Contact the Commission's Assignment Unit by telephone at 916-322-5038 (voice mail only) or by email at [cawassignments@ctc.ca.gov](mailto:cawassignments@ctc.ca.gov).