Do you have a strong mathematics or science background?

Thousands of students need you!
• Our country faces a critical shortage of mathematics and science teachers at all levels.

• The National Academies identify the recruitment of mathematics and science teachers as one of America’s highest priorities.
Numerous job opportunities are available throughout the county, state, and country for qualified candidates.

Today’s teachers are educating tomorrow’s leaders. Will those leaders be prepared to face the challenges of the century?

You can impact the future!
The Teacher Recruitment Project is dedicated to increasing the number of qualified mathematics and science teachers at all levels.
Obtain a Single Subject Credential in addition to your Multiple Subject Credential!

MORE OPPORTUNITIES FOR YOU & BETTER EDUCATION FOR STUDENTS
Requirements for Adding a Single Subject Credential in Mathematics

• A Multiple Subject Teaching Credential

• Passing scores on the appropriate CSET mathematics subtests (see next slide)

• Successful completion of an appropriate single subject methods course, such as EDSC 542M: Advanced Methods of Teaching Foundational-Level Mathematics

For more information about the methods course, please contact Dr. Mark Ellis (mellis@fullerton.edu).
# Mathematics Credentials

<table>
<thead>
<tr>
<th>Credential</th>
<th>Required CSET Subtests*</th>
<th>Authorized Teaching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational-Level Mathematics (FLM)</td>
<td>#211, 212</td>
<td>FLM credential holders are authorized to teach all math courses up to and including Algebra II in departmentalized settings.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>#211, 212, 213</td>
<td>Mathematics credential holders are authorized to teach all math courses up to and including calculus in departmentalized settings.</td>
</tr>
</tbody>
</table>

*See the CSET registration site: [www.cset.nesinc.com/CS15_testselection.asp](http://www.cset.nesinc.com/CS15_testselection.asp).*
Requirements for Adding a Single Subject Credential in Science

- A Multiple Subject Teaching Credential

- Passing scores on the appropriate CSET science subtests (see next slide)

- Successful completion of an appropriate single subject methods course, such as EDSC 542S: Advanced Methods of Teaching Foundational-Level Science

For more information about science subtest selection or the methods course, please contact Dr. Maria Grant at mgrant@fullerton.edu.
<table>
<thead>
<tr>
<th>Credential</th>
<th>Required CSET Subtests*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational-Level General Science</td>
<td>#118, 119</td>
</tr>
<tr>
<td>Biological Sciences (Specialized**)</td>
<td>#120, 124</td>
</tr>
<tr>
<td>Biological Sciences (Regular)</td>
<td>#118, 119, 120</td>
</tr>
<tr>
<td>Chemistry (Specialized**)</td>
<td>#121, 125</td>
</tr>
<tr>
<td>Chemistry (Regular)</td>
<td>#118, 119, 121</td>
</tr>
<tr>
<td>Geosciences (Specialized**)</td>
<td>#122, 126</td>
</tr>
<tr>
<td>Geosciences (Regular)</td>
<td>#118, 119, 122</td>
</tr>
<tr>
<td>Physics (Specialized**)</td>
<td>#123, 127</td>
</tr>
<tr>
<td>Physics (Regular)</td>
<td>#118, 119, 123</td>
</tr>
</tbody>
</table>

*See the CSET registration site: [www.cset.nesinc.com/CS15_testselection.asp](http://www.cset.nesinc.com/CS15_testselection.asp).

**Specialized options end effective August 20, 2020; the last administration of a CSET: Science (Specialized) is July 11, 2015.
## The Difference Among Science Credentials

<table>
<thead>
<tr>
<th>Foundational-Level General Credential</th>
<th>Specialized Credential</th>
<th>Regular Credential</th>
</tr>
</thead>
</table>
| **Foundational-Level General Science (FLGS) Credential holders are authorized to teach general, introductory, and integrated science.** | **Specialized credential holders are authorized to teach only their specific discipline.**

Note: The option to earn this will be discontinued as of 8/1/2020. | **Regular credential holders are authorized to teach their specific discipline as well as general and integrated science.** |
The CSET

Practice questions and information about the mathematics subtests may be found at www.cset.nesinc.com/CS_testguide_Mathopener.asp.

Practice questions and information about the science subtests may be found at www.cset.nesinc.com/CS_testguide_Sciopener.asp.

Information about test registration may be found at www.cset.nesinc.com.
Currently, EDSC 542M and 542S are offered only during the summer months.

Prerequisites include:

• Completion of at least one semester of the Multiple Subject Credential Program, and

• Demonstration of subject matter competence, either by passing at least one of the appropriate CSET subtests or by completing appropriate subject matter coursework (one semester of college calculus for 542M; contact Dr. Grant for 542S).

For the information about the course schedule or prerequisites, contact Dr. Mark Ellis (524M) or Dr. Maria Grant (542S). Information about 542M may be found at http://faculty.fullerton.edu/mellis/alreadycredentialed.htm.
EDSC 542M and 542S may be included on the graduate study plan for the Master’s degree in Education with a concentration in Elementary Curriculum and Instruction. Several emphases within the degree are available, including an emphasis in Math/Science.

Contact Dr. Kim Norman (knorman@fullerton.edu) for more information about the graduate degree.
Financial Support

Financial support may be available through several sources:

- The Teacher Recruitment Project (TRP)
- The Assumption Program for Loans in Education (APLE)
- College of Education scholarships
Financial Support: The TRP

As funding is available, the TRP supports candidates by offering reimbursement for the following:

- CSET preparation courses offered by the Orange County Department of Education (if the candidate passes the subtests)
- CSET registration fees (if the candidate passes the subtests)
- Course registration fees (if the candidate successfully completes the course and passes the CSET subtests)
The Assumption Program of Loans for Education (APLE), administered by the California Student Aid Commission, assumes up to $19,000 in outstanding educational loan balances in return for four consecutive years of teaching in California in a shortage area, such as math and science. View this site for more information:

http://aple.csusuccess.org/scholarship
The College of Education offers scholarships to credential and graduate students. View this site for information:

http://ed.fullerton.edu/Current/scholarships.html
Visit the following page on the Orange County Department of Education’s website for information about the CSET test preparation courses, including a calendar of preparation sessions:

http://leadership.ocde.us/cset.htm

Don’t delay. Check the dates!
What Now?

1. Inform Dr. Ruth Yopp-Edwards (ryopp@fullerton.edu), TRP Co-Director, that you intend to pursue the additional credential.

2. Contact either Dr. Mark Ellis (math) or Dr. Maria Grant (science) to confirm your subtest selections and your intent to enroll in the summer course.

3. Enroll in the test preparation course(s) at OCDE (optional, but highly recommended).

4. Register for the appropriate CSET subtests. Submit receipts for the preparation course(s) and the subtests along with evidence that you have passed the subtests to Dr. Yopp-Edwards.

5. Enroll in the methods course (only if you meet the prerequisites). Submit registration receipt and evidence of successful completion to Dr. Yopp-Edwards.
Multiple Subject Credential holders who earned a bachelor’s degree or completed a 32-semester-unit course of study in mathematics or one of the sciences may qualify to add the Introductory Subject Matter Authorization (ISMA) to their credential. The ISMA authorizes the holder to teach up to grade 9 curriculum. (Note: This is not an additional credential.) Candidates should apply directly to California’s Commission for Teacher Credentialing:

www.ctc.ca.gov/credentials/applications.html
Thank you for your interest in teaching mathematics or science!

Your students are waiting for you.