MASTER OF ARTS IN EDUCATION: CONCENTRATION IN MATHEMATICS EDUCATION

Admission to Program
The application is a two-part process that should be completed simultaneously:

1. Apply to the University: Complete the on-line CSU Mentor application. Follow all other requirements for admission by visiting http://grad.sfsu.edu/.
2. Apply to the department by completing a department application. Applicants must also meet the following requirements:
   a. Possession of a Multiple Subject or elementary teaching credential.
   b. A minimum of two years of experience teaching mathematics at the elementary or middle school level.
   c. In the event the candidate has not met the requirements in (a) or (b) above, he/she may meet with a mathematics education advisor to evaluate his or her academic and professional background.
   d. Submission of a written statement of purpose (2-page minimum) to the program coordinator. The statement of purpose should describe the applicant’s goals for seeking the M.A. concentration in elementary education, and describe the applicant’s level of academic and professional preparation for the degree. The content and writing skill demonstrated will be evaluated as part of the admissions decision and to determine if the candidate has met Level One Written Language Proficiency at admission (see below).
   e. Two letters of recommendation that address
      i. the applicant’s ability to pursue graduate level work and
      ii. successful experience in classroom teaching of mathematics.

Written English Proficiency Requirement

Level One
Applicants are assessed on the application essay based upon the program’s criteria. The evaluation rubric considers:

1. mechanics and style,
2. coherence and argumentation, and
3. content, that is, the relevancy of applicants’ experience and goals for the mathematics education program.

Depending on their essay scores, applicants are either admitted, admitted conditionally, or not admitted. Applicants admitted conditionally must earn a grade of at least B on the literature review assignment, as well as an overall grade of at least B in E ED 760, and must clearly demonstrate graduate level writing appropriate to our discipline.

Level Two
Students are assessed on the quality of their culminating experience, E ED 895 or E ED 898.

Education (M.A.): Concentration in Mathematics Education — minimum 30 units

Mathematics Courses (9 units)
Select three of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 575</td>
<td>Mathematics in the Middle School Classroom</td>
<td>3</td>
</tr>
<tr>
<td>MATH 576</td>
<td>Math in Middle Schools II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 577</td>
<td>Math in Middle School III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 578</td>
<td>Mathematics in the High School</td>
<td>3</td>
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Education Courses (12 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>E ED 761</td>
<td>School Mathematics: Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>E ED 796</td>
<td>Analyzing Cases of Mathematical Teaching</td>
<td>3</td>
</tr>
<tr>
<td>E ED 807</td>
<td>Leadership Development in Mathematics Education</td>
<td>3</td>
</tr>
<tr>
<td>E ED 856</td>
<td>Assessing Mathematical Thinking</td>
<td>3</td>
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</tbody>
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Core Courses (6 units)

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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISED 797</td>
<td>Seminar in Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>E ED 895</td>
<td>Field Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduate Level Elective (3 units)
To be determined in consultation with an advisor.