Master of Arts in Teaching-Mathematics

The Master of Arts in Teaching Mathematics (MAT) program is designed for single subject credential teachers who wish to deepen their mathematical knowledge for teaching as it applies to the secondary level.

Admission to the Program

In addition to the general requirements of the university, which include a baccalaureate degree from an accredited college, specific requirements for classification in the program are:

1. Successful completion with a grade of "B" (3.0) or better in course work deemed equivalent to the following courses at California State University, San Bernardino:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2220</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2310</td>
<td>Applied Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 2320</td>
<td>Multivariable Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 3100</td>
<td>Mathematical Thinking: Communication and Proof</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3329</td>
<td>Euclidean Geometry with Transformations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2265</td>
<td>Statistics with Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

2. A teaching credential;
3. Submission of a completed Master of Arts in Teaching Mathematics (MAT) application form;
4. Three letters of recommendation, at least one of which addresses the applicant’s educational background and at least one addressing the applicant’s teaching practice;
5. Submission of a one- or two-page typewritten statement of the student’s area of interest, preparation for study in this program and professional goals;
6. Approval by the Graduate Coordinator.

Students who do not meet these criteria may be admitted as conditionally classified graduate students following review by the Department of Mathematics and the College of Education.

Advising

Each graduate student must be advised by the graduate coordinator or other MAT faculty before enrolling in the program. Students will develop an appropriate course of study based on their preparation and interests in consultation with an advisor. The specific program must be approved by the MAT Graduate Committee prior to advancement to candidacy.

Advancement to Candidacy

In order to be advanced to candidacy, the student must:

1. Achieve classified status;
2. Submit a formal program of graduate work prepared in consultation with an advisor and approved by the MAT Graduate Committee;
3. Complete at least 10 units and not more than 18 units of applicable work as a graduate student at this university, with a grade point average of at least 3.0 ("B");
4. Complete a written paper in at least one of the following courses that achieves a satisfactory score on a departmental rubric:
   - MATH 6301
   - MATH 6302
   - MATH 6303
   - MATH 6304
5. Gain final approval of the program and of the candidacy itself by the Dean of Graduate Students.