Post-Baccalaureate Teacher Certification Plan
Mathematics 7-12

This plan has a content waiver option based on passing the content state assessment on the first attempt. See a College of Education (COE) adviser for details.

Check prerequisites before enrolling in any courses.

Certificate Plan Requirements

Academic Specialization Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2318</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2413</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3304</td>
<td>Algebra Through Technology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3305</td>
<td>Euclidian and Non-Euclidian Geometry</td>
<td>3</td>
</tr>
<tr>
<td>STAT 4344</td>
<td>Introduction to Probability</td>
<td>3</td>
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Choose five courses from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MATH 2315</td>
<td>Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2320</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3301</td>
<td>History of Mathematical Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4315</td>
<td>Numerical Analysis and its Applications</td>
<td>3</td>
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College of Education Core Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 4310</td>
<td>Theories of Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>INST 3313</td>
<td>Survey of Instructional Technologies</td>
<td>3</td>
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<tr>
<td>SILC 4315</td>
<td>Theories of American Pluralism</td>
<td>3</td>
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Pedagogy:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>TCED 4363</td>
<td>Methods in Secondary Mathematics</td>
<td>3</td>
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Choose one of two sets:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>TCED 4378</td>
<td>Pre-Service Internship I</td>
<td>3</td>
</tr>
<tr>
<td>TCED 4978</td>
<td>Pre-Service Internship II/Clinical Teaching</td>
<td>9</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>TCED 4678</td>
<td>Post-Degree Internship I</td>
<td>6</td>
</tr>
<tr>
<td>TCED 4679</td>
<td>Post-Degree Internship II/Student Teaching</td>
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Other Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>LLLS 4311</td>
<td>Survey of Reading</td>
<td>3</td>
</tr>
<tr>
<td>LLLS 4351</td>
<td>Reading in Content Subjects</td>
<td>3</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
</tr>
<tr>
<td>--------------</td>
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<tr>
<td>SPED 4300</td>
<td>Survey of Exceptionalities</td>
<td>3</td>
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<tr>
<td>TCED 4102</td>
<td>Secondary (4-8 and 7-12) Content</td>
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<tr>
<td>TCED 4306</td>
<td>Creating Positive Learning Environments in 7-12</td>
<td>3</td>
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