### Teaching, with Teacher Certification in Biological Science (Preschool-Grade 12) and Teacher of Students with Disabilities (Combined B.S./M.A.T.)

#### Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
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<tr>
<td></td>
<td><strong>Graduate Professional Sequence Part I</strong></td>
<td></td>
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<tr>
<td>SPED 566</td>
<td>Creating Curricular Access for Adolescents with Disabilities</td>
<td>3</td>
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<tr>
<td>SPED 586</td>
<td>Educational Planning for Adolescents with Disabilities</td>
<td>3</td>
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<tr>
<td></td>
<td>Graduate Content Course (See Below)</td>
<td>3-4</td>
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<tr>
<td></td>
<td><strong>Graduate Professional Sequence Part II</strong></td>
<td></td>
</tr>
<tr>
<td>SPED 691</td>
<td>Issues, Policies and Trends in Inclusive Education</td>
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<tr>
<td></td>
<td><strong>Graduate Professional Sequence Part III</strong></td>
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<tr>
<td>Methods Course (See Below)</td>
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<td>3-4</td>
</tr>
<tr>
<td>SASE 526</td>
<td>Seminar in Inclusive Pedagogy</td>
<td>3</td>
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<tr>
<td>SASE 527</td>
<td>Clinical Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SPED 584</td>
<td>Assessment in Special Education and Classroom Practice</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Student Teaching</strong></td>
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<tr>
<td>SASE 529</td>
<td>Clinical Practice II</td>
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<tr>
<td>SASE 543</td>
<td>Advanced Seminar in Inclusive Pedagogy</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Comprehensive Examination</strong></td>
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<tr>
<td>In the term that you will sit for exam, register for the section which matches your major &amp; advisor. Successfully pass exam.</td>
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<tr>
<td>GRAD CMP</td>
<td>Comprehensive Examination</td>
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<td><strong>Total Credits</strong></td>
<td><strong>33-35</strong></td>
</tr>
</tbody>
</table>

1. Course also counts in undergraduate portion of program.

#### Teaching Field Requirements

**Methods Course**

- BIOL 503 Teaching Science in Secondary Schools 4

**Graduate Content Course**

Select one of the following with advisor approval: 3-4

- BIOL 505 Experimental Cell Culture
- BIOL 512 Topics in Modern Genetics
- BIOL 513 Instrumentation and Techniques for Biological Science
- BIOL 515 Population Genetics
- BIOL 520 Plant Physiology
- BIOL 521 Field Studies of Flowering Plants
- BIOL 522 Plant Pathology
- BIOL 529 Advanced Herpetology
- BIOL 532 Advanced Entomology
- BIOL 533 Advanced Cell Biology
- BIOL 540 Mammalian Physiology
- BIOL 542 Advanced Endocrinology
- BIOL 543 Advances in Immunology
- BIOL 544 Advanced Comparative Animal Physiology
- BIOL 545 Experimental Endocrinology
- BIOL 546 Topics in Physiology
- BIOL 547 Molecular Biology I
- BIOL 548 Molecular Biology II
- BIOL 549 Topics in Developmental Biology
- BIOL 550 Topics in Microbiology
- BIOL 551 Intermediary Metabolism I
- BIOL 552 Biology of Lipids
- BIOL 554 Microbial Physiology
- BIOL 555 Medical Genetics
- BIOL 556 Molecular Biology of Proteins
- BIOL 557 Virology
- BIOL 558 Microbial Genetics
- BIOL 560 Molecular Genetics
- BIOL 561 Genomics
- BIOL 562 Short Topics in Molecular Biology
- BIOL 563 Statistical Genomics
- BIOL 564 Proteomics
- BIOL 565 Advanced Plant Molecular Genetics
- BIOL 566 Bioinformatics
- BIOL 568 Advanced Neuroscience
- BIOL 570 Ecology
- BIOL 571 Physiological Plant Ecology
- BIOL 572 Wetland Ecology
- BIOL 573 Shoreline Ecology
- BIOL 574 Behavioral Ecology
- BIOL 575 Avian Biology
- BIOL 576 Biology of Extreme Habitats
- BIOL 579 Physiological Ecology of Animals
- BIOL 586 Selected Advanced Topics in Biology
- BIOL 587 Selected Advanced Topics in Molecular Biology
- BIOL 588 Selected Advanced Topics in Physiology
- BIOL 589 Selected Advanced Topics in Ecology
- BIOL 593 Molecular Ecology
- BIOL 594 Signal Transduction
- BIOL 595 Conservation Biology: The Preservation of Biological Diversity