SECONDARY EDUCATION: 7-12 CERTIFICATION, M.S.

Subject Areas:
- Biology,
- Chemistry,
- Physics,
- General Science,
- English,
- Mathematics,
- Citizenship Education and
- Social Studies.

Prerequisite coursework to meet certification standards may be required. Elective coursework listed is required for M.S. degree, but not for certification.

Effective June 1, 2015, all newly-admitted Secondary Education certification candidates will be required to pass

Learning Goals and Objectives

Goal 1: The student will demonstrate an understanding of adolescent learner development.

Objective 1.1: The student will understand and accurately interpret key concepts, principles, theories, and research about adolescent development in social context.

Objective 1.2: The student will identify the diverse developmental needs and abilities of adolescent learners and use this information effectively when selecting instructional strategies and making curricular decisions.

Goal 2: The student will understand and use the central concepts, standards, research, and structures of content to plan and implement curriculum that develops all high school learners’ competence in a specific subject matter area.

Objective 2.1: The student will describe and explain the philosophical and historical foundations of comprehensive high school education and apply this knowledge in analyzing school culture and climate, classroom management, and instructional design.

Goal 3: The student will understand and use developmentally appropriate instructional strategies.

Objective 3.1: The student will describe and analyze a range of specific teaching strategies and apply them appropriately in instructional planning, modifying their use based on the unique learning needs of high school students and the particular demands of the subject matter.

Objective 3.2: The student will demonstrate a practiced habit of self-analysis and collaboration with students and colleagues to assess the impact of instruction on student motivation and learning and will adjust teaching accordingly.

Goal 4: The student will demonstrate understanding and appropriate use of multiple methods of assessment.

Objective 4.1: The student will define and describe types of valid and reliable educational assessments (including screening, diagnostic, formative, summative, and authentic) and identify strengths, weaknesses, and appropriate uses associated with each.

Objective 4.2: The student will analyze and interpret assessment data to understand patterns and gaps in learning, to guide planning and instruction, and to provide meaningful feedback to learners and their guardians.

Goal 5: The student will demonstrate an understanding of educating for social justice.

Objective 5.1: The student can demonstrate the ability to interact positively and respectfully with those of different racial, ethnic, language and socioeconomic backgrounds and sexual orientations.

Objective 5.2: The student will identify and describe practices and policies that reinforce inequalities and undermine high school student learning, as well as steps that can be taken to challenge such practices in order to create a more just society.

The following courses are required for secondary certification (note that field assignment credits do not apply to the 36 graduate credits required for the Master’s degree):

List of Courses

Required courses for PA Certification (30 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 600</td>
<td>Found &amp; Current Issues: Sp Edu</td>
<td>3</td>
</tr>
<tr>
<td>EDU 601</td>
<td>Field Experience Cert I &amp; SPE 601F</td>
<td>1</td>
</tr>
<tr>
<td>SPE 608</td>
<td>Technology Appl for Classroom</td>
<td>3</td>
</tr>
</tbody>
</table>

Prescribed Electives for MS degree

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDL 600</td>
<td>EdLeaderResrch &amp; ReflectPract</td>
<td>3</td>
</tr>
<tr>
<td>EDL 605</td>
<td>Critical Contemp Ed Issues</td>
<td>3</td>
</tr>
<tr>
<td>EDL 680</td>
<td>Law &amp; American Education</td>
<td>3</td>
</tr>
<tr>
<td>ITS 605</td>
<td>Technology Appl for Classroom</td>
<td>3</td>
</tr>
<tr>
<td>SPE 630</td>
<td>Design&amp;Tech Differentiated Ins</td>
<td>3</td>
</tr>
</tbody>
</table>

Other electives may be substituted with the permission of the Department Chair or Graduate Advisor.