PHYSICAL SCIENCE, INSTRUCTIONAL CERTIFICATION: TEACHER CERTIFICATION IN PHYSICAL SCIENCE (PRESCHOOL-GRADE 12) - GRADUATE

Program Requirements

Teaching Field Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Physics</td>
<td>8</td>
</tr>
<tr>
<td>Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>Electricity</td>
<td>4</td>
</tr>
<tr>
<td>Optics</td>
<td>4</td>
</tr>
<tr>
<td>Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>Electives in Physics</td>
<td>13</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Analytical Chemistry of Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>16</td>
</tr>
</tbody>
</table>

Teaching Methods

CHEM 501 Teaching Chemistry in the Secondary School | 3 |

Total Credits 75

1 Over 2 years including at least 12 credits of Calculus.

Additional Requirements for State Certification

The following additional requirements must be met prior to student teaching. Upon admission to the program, the student’s submitted transcripts are evaluated to determine if any of these requirements have been fulfilled by previous coursework. In such cases, the requirement(s) appears on the degree audit as being waived.

• CMST 101 or Speech Challenge Exam or documented & approved experience
• Physiology & Hygiene - free test at county office of education or BIOL/HLTH course
• Educational Psychology - EDFD 582 or PSYC 560
• Psychology or equivalent undergraduate course work

Credit Note: Certification requirements are subject to change.

Teaching Methods

CHEM 501 Teaching Chemistry in the Secondary School | 3 |

Total Credits 75

1 May be completed by examination.

Pedagogical Sequence I

SASE 526 Seminar in Inclusive Pedagogy | 3 |
SASE 527 Clinical Practice I | 3 |

Pedagogical Sequence II

SASE 514 In-Service Graduate Clinical Practice II | 6 |
or SASE 529 Clinical Practice II |
SASE 543 Advanced Seminar in Inclusive Pedagogy | 3 |

Total Credits 36

2 SASE 514 is for in-service teachers.

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