### YEAR 1: FOUNDATIONS OF EDUCATION (Three Quarters, Part-time)

<table>
<thead>
<tr>
<th>CERTIFICATION PATHWAY</th>
<th>AUTUMN QUARTER</th>
<th>WINTER QUARTER</th>
<th>SPRING QUARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL PATHWAYS</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Elementary</td>
<td>▪ Number Theory 30600-01/02</td>
<td>▪ Geometry 31800</td>
<td>▪ Elements of Literacy Instruction I: Reading 35504</td>
</tr>
</tbody>
</table>

- Additional courses to fulfill the state's general education and/or endorsement requirements, if necessary

### SECONDARY BIOLOGY
- Additional courses, such as Ecology and Evolution, Geophysical Science, and/or Big Problems, if necessary

### SECONDARY MATHEMATICS
- Additional courses, such as Number Theory, Analysis, Geometry and/or Abstract Algebra, if necessary

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### YEAR 2: RESIDENCY (Five Quarters, Full-time)

<table>
<thead>
<tr>
<th>CERTIFICATION PATHWAY</th>
<th>FIRST SUMMER QUARTER</th>
<th>AUTUMN QUARTER</th>
<th>WINTER QUARTER</th>
<th>SPRING QUARTER</th>
<th>SECOND SUMMER QUARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL PATHWAYS</td>
<td>▪ Practicum: Small-Group Clinical Work (EL 30300 (SEC) 32010)</td>
<td>▪ Seminar and Practicum: Professional Teaching I (EL 31000 (SEC) 32011)</td>
<td>Seminar and Practicum: Professional Teaching II (EL 31100 (SEC) 32012)</td>
<td>▪ Seminar and Practicum: Professional Teaching III (EL 31200 (SEC) 32013)</td>
<td>▪ Seminar: Transition to Teaching as a Profession (EL 31500 (SEC) 32003)</td>
</tr>
</tbody>
</table>

#### ELEMENTARY
- Introduction to Mathematics Concepts and Pedagogy 30200
- Elements of Literacy Instruction II: Writing 30100
- Working with Students with Special Needs 31600

- Elements of Mathematics Instruction I
- Elements of Literacy Instruction III: Planning & Assessment 30500
- Fundamental Aspects of Teaching 30000

### ALL SECONDARY
- Secondary Education I: Learning Theory 32000

- Secondary Education II: Curriculum & Assessment (BIO) 32103 (MATH) 32203
- Secondary Education III: Teaching Methods (BIO) 32104 (MATH) 32204
- Secondary Education IV: Differentiation for Diverse Learners 32001
- Practicum: Lesson Design & Assessment 32014

#### SECONDARY BIOLOGY
- Biology Capstone I: Integration & Community Resources 32100

- Biology Capstone II: Science in Context 32101
- Biology Capstone III: Scientific Literacy 32102

#### SECONDARY MATHEMATICS
- Situational Math I: Foundations & Number Systems 54000

- Situational Math II: Geometry 54100
- Situational Math III: Functions & Polynomials 54200

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