<table>
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<tr>
<th>COURSE</th>
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<th>PRE-REQUISITES</th>
<th>2022-2023</th>
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<td>EDUC 5000</td>
<td>Problem Based Education (PBE)</td>
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<td>Curriculum Design and Evaluation</td>
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<td>Research Methods</td>
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<td>EDUC 6020</td>
<td>Assessment and Improvement of Instruction</td>
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<td>Differentiating Instruction</td>
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<td>Action Research for Teachers</td>
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**EDUCATION COURSES**

**MATH 5100** Math Modeling X

**MATH 5210** Advanced Calculus for Teachers I X

**MATH 5220** Advanced Calculus for Teachers II MATH 5210 X

**MATH 5500** Advanced Math for Teachers X

**MATH 6020** Rational Numbers and Proportional Reasoning X

**MATH 6030** Measurement, Data and Geometric Thinking X

**MATH 6040** Algebraic Reasoning, Functions and Equations X

**MATH 6110** Discrete Mathematics X

**MATH 6120** Probability and Statistics for Teachers X

**MATH 6130** Probability Models for Teachers

**MATH 6150** Introductory Topology

**MATH 6160** Applied Modern Algebra X

**MATH 6180** Modern Geometry for Teachers X

**MATHEMATICS COURSES**

**SCIE 5010** Fundamental of Environmental Education X

**SCIE 5020** Software Applications and Technology X

**SCIE 6010** Investigating the Living World X

**SCIE 6020** Exploring the Physical World X

**SCIE 6030** Exploring the Earth and Beyond X

**SCIE 6040** Chemistry for Teachers X X

**SCIENCES COURSES**

Rev. SP22