**B.S.Ed. in PHYSICAL SCIENCE EDUCATION** (Comprehensive Major)

**2020 FOUR YEAR CURRICULUM GUIDE**

**DEPARTMENT OF CHEMISTRY/GEOLGY/PHYSICS**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall Semester</th>
<th>Year 1</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #</td>
<td>Title</td>
<td>Cr.</td>
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<tr>
<td>EDFN 130</td>
<td>Intro. to Teaching</td>
<td>3</td>
<td>EDFN 202</td>
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<tr>
<td>CHEM 103</td>
<td>Gen. Chem. I (fa only, Core 1)</td>
<td>4</td>
<td>CHEM 104</td>
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<tr>
<td>MATH 205</td>
<td>Calculus I (fa only, Core 2)</td>
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<td>MATH 206</td>
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<tr>
<td>ENG 101</td>
<td>Composition I (Core 3)</td>
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<td>ENG 102</td>
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<tr>
<td>CORE/CCI*</td>
<td>Inst. Requirement (Core 4)</td>
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<td>CORE</td>
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<td><strong>TOTAL</strong></td>
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<th>Year 2</th>
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<tr>
<td>Course #</td>
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<tr>
<td>EDIS 250</td>
<td>Intro. to Educ. Intervention</td>
<td>3</td>
<td>EDCI 230SEC</td>
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<tr>
<td>CHEM 307</td>
<td>Organic Chem I (fa only)</td>
<td>3</td>
<td>EDCI 232</td>
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<td>CHEM 307L</td>
<td>Organic Chem I Lab (fa only)</td>
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<td>PHYS 205</td>
<td>University Physics (fa only)</td>
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<td>CORE</td>
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<td>GEOL 102**</td>
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<tr>
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<tr>
<td>EDCI 330SEC</td>
<td>AYA Field Experience II (sp 18 then fa only)</td>
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<td>CHEM 350</td>
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<tr>
<td>EDCI 318</td>
<td>Teaching Science (sp 18 then fa only)</td>
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<td>BIO 201</td>
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<tr>
<td>CHEM 320</td>
<td>Quant. Analysis (fa only) or CHEM 411/411L (fa odd)</td>
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<td>PSYCH 218</td>
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<tr>
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<td>Mechanics I (fa odd) or PHYS 305 Modern Physics (fa even)</td>
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<td>CORE</td>
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<tbody>
<tr>
<td>Course #</td>
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<tr>
<td>EDCI 392</td>
<td>Content Area Reading</td>
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<td>EDFN 402</td>
</tr>
<tr>
<td>CHEM 411/411L</td>
<td>Phys. Chem I w. lab (fa odd) or Quant. Analysis (fa only)</td>
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<td>EDCI 461</td>
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<tr>
<td>PHYS 305</td>
<td>Modern Physics (fa even) or PHYS 303 Mech. I (fa odd)</td>
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<tr>
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129 total credit hours required for degree

Important information continues on the next page.
The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study-away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester of the first year.

Either GEOL 101 or 102 is required for this degree. This curriculum guide includes GEOL 102, but GEOL 101 (offered every fall) can be taken if desired.

Special Note: The major in Physical Science Education is being discontinued by Ashland University. This major will not be available for students entering in fall 2021-2022 and beyond. New incoming students which start in Fall 2020 will have this complete academic major program and its courses delivered to them so that the student may complete the degree with this major. Elective courses in the major may be reduced during this period of teaching out the major. Other students who are subject to the standards and requirements of this 2020-2021 Catalog may only change their major to this major which is being discontinued until the last day of the Fall 2020 semester.