endorsement no. 155  
physical science  
grade level: 5-12  

institution name: cornell college  
date submitted:  
new ☐ or revised ☒ (if this is a revision, also submit a letter explaining the changes made)  
undergraduate ☒ or graduate ☐  

professional education core:  
requirements unique to this endorsement:  

<table>
<thead>
<tr>
<th>state requirements professional core</th>
<th>institutional requirements course(s) for demonstrating competencies</th>
</tr>
</thead>
</table>
| methods of teaching with an emphasis in science | edu 324 secondary mathematics, science and social studies  
edu 328 reading in the content area |
| student teaching in physical science | edu 410, 420, 430, 440 student teaching |

content:  
a. completion of a thirty semester hour teaching major which must minimally include  
b. completion of twenty-four semester hours in physical science to include the following:  

<table>
<thead>
<tr>
<th>state requirements content categories</th>
<th>institutional requirements course numbers and titles</th>
<th>credit hrs.</th>
</tr>
</thead>
</table>
| physics                               | phy 101 introductory physics i  
phy 102 introductory physics ii         | 4           |
| chemistry                             | che 121 chemical principles i  
che 122 chemical principles ii         | 4           |
| earth-space sciences                  | geo 101 earth science  
geo 111 physical geology                | 4           |
| other                                 | a major in any cornell science  
phy 221 astronomy --strongly recommended - not required | (4)         |

total credit hours 24/28