### Department of Middle and Secondary Education
#### Middle School
**AREA OF CONCENTRATION: SCIENCE**

<table>
<thead>
<tr>
<th>OPTION 1</th>
<th>OPTION 3</th>
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<td>22 hours</td>
<td>33 hours</td>
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</table>
| **CH 181 Basic Principles of Chemistry (5) OR**<br>**CH 185 General Chemistry I (5)** | **CH 185 General Chemistry I (5)**
| **PH 120 Introductory Physics I (5)**<br>**PH 106 Physical Concepts (3) #** | **PH 120 Introductory Physics I (5)**
| **GO 110 Physical Geology (3)** | **GO 110 Physical Geology (3)**
| **UI 318 Earth Science: A Process Approach (3) #** | **GO 220 Meteorology (3)**
| **GO 220 Meteorology (3)** | **GO 320 Oceanography (3)**
| **GO 150 Earth Science: Environmental Hazard (3) #** | **GO 150 Earth Science: Environmental Hazard (3) #**
| **BS 108 Biology for Living (3) * OR**<br>**BS 218 Biological Science: A Process Approach (3)**<br>And one of the following:<br>**BO 200 Botany (3)**<br>**BS 105 Environmental Biology (3)**<br>**BS 107 Investigations in Biology (3)**<br>**ZO 200 Zoology (3)** | **BS 108 Biology for Living (3) OR**<br>**BS 218 Biological Science: A Process Approach (3)**<br>**BO 200 Botany (3)**<br>**ZO 200 Zoology (3)**
| **BS 118 Intro. Process Science for Elem. Teachers (1) #** | **BS 118 Intro. Process Science for Elem. Teachers (1) #**

*Students who choose BS 108 must take BO 200, BS 107, or ZO 200. * *Students will take either CH 186 and CH 187 or PH 121.

# Courses pertain to South cohort: ONLY!!!

Revised 8/1/06.