

**Geosciences B.S. Degree**  
**Emphasis in Professional Geology**  
**New Curriculum**

Name \_\_\_\_\_

Date \_\_\_\_\_

Transferred From \_\_\_\_\_

Semester Hours Accepted \_\_\_\_\_

<b>MSU / A&amp;S Core Courses</b>	# credit hours	semester	grade
<b>Mathematics</b> (see Geosciences Core)			
<b>Composition</b>	<b>6</b>		
EN 1103 English Composition I			
EN 1113 English Composition II			
<b>Humanities</b>	<b>6</b>		
EN 2__3 English Literature			
HI ____ History elective			
<b>Foreign Language</b>	<b>6</b>		
FL 1113 Foreign Language (elementary)			
FL 1123 Foreign Language (elementary)			
<b>Public Speaking</b> (see Geosciences Core)			
<b>Fine Arts</b>	<b>3</b>		
____ Fine Arts elective			
<b>Social Sciences</b>	<b>6</b>		
GR 1123 World Geography			
____ Social Science elective			
<b>Natural Sciences</b> (see Geosciences Core)			
<b>Total MSU / A&amp;S Core</b>	<b>27</b>		

<b>Geosciences Core Courses</b>	# credit hours	semester	grade
<b>Basic courses</b>	<b>7</b>		
GG 1113 Earth Science (+ GG 1111 lab)			
or GR 1114 Physical Geography (w/lab)			
CO 1003 Fundamentals of Public Speaking*			
or See Advisor			
<b>Total Geosciences Core</b>	<b>7</b>		

<b>Professional Geology</b>	# credit hours	semester	grade
GG1121 Earth Sciences II Lab			
GG 1123 Survey of Earth Sciences II			
GG 3133 Intro to Environmental Geology (Required)			
GG 3613 Water Resources			
GG 4114 Mineralogy			
GG 4123 Petrology			
GG 4201 Practicum in Paleontology			
GG 4203 Principles of Paleobiology			
or GG 4113 Micropaleontology			
or GG 4133 Principles of Paleocology			
GG 4304 Principles of Sed. Dep. I			
GG 4413 Structural Geology			
GG 4433 Geowriting****			
GG 4443 Principles of Sed. Dep. II			
GG 4503 Geomorphology			
GG ____ Summer Field Camp*****			
GG ____ Summer Field Camp*****			
GR 2313 Maps and Remote Sensing			

ST 3113 Intro to Statistical Inference			
or GR 4633 Statistical Climatology***			
CH 1211 Investigations in Chemistry I (lab)			
CH 1223 Chemistry II			
CH 1221 Investigations in Chemistry II (lab)			
PH 1133 General Physics			
or GG 4233 Applied Geophysics			
<b>2 of the following</b>	<b>6</b>		
GG 1133 Planetary Geology			
GG 3603 Intro to Oceanography			
GG 4523 Coastal Environments			
GR 1603 Intro. To Meteorology			
<b>3 of the following</b>	<b>9</b>		
GG 4063 Dev of Fossil Fuel Resources			
GG 4153 Engineering Geology			
GG 4433 Subsurface Methods			
GG 4613 Physical Hydrogeology			
GG 4303 Principles of GIS			
<b>Mathematics</b>	<b>6</b>		
MA 1713 Calculus I*			
MA 1723 Calculus II			
<b>Natural Science (University &amp; College Core)**</b>	<b>9</b>		
CH 1213 Fundamentals of Chemistry			
PH 1113 General Physics			
PH 1123 General Physics			
<b>General Electives</b>	<b>3</b>		
<b>Total Concentration Hours</b>	<b>90</b>		

**Total Degree Hours**

**124**