

**Geosciences B.S. Degree**  
**Emphasis in Professional Meteorology**  
**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>		
CO 1503 Intro to Theater			
<b>Social Sciences</b>	<b>6</b>		
GR 1123 World Geography			
See Advisor			
or CO 1403 Mass Media			
<b>Natural Sciences</b> (see Geosciences Core)	<b>9</b>		
<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>		
GR 1114 Physical Geography (w/lab)			
or GG 1113 Earth Science (+ GG 1111 lab)			
CO 1003 Fundamentals of Public Speaking*			
or See Advisor			
<b>Total Geosciences Core</b>	<b>7</b>		

<b>Professional Meteorology</b>	# credit hours	semester	grade
<b>Department Courses</b>	<b>45</b>		
GG 4433 Geowriting*			
or CO 3313 News Writing Electronic Media			
GR 1603 Intro. To Meteorology			
GR 4402 Weather Analysis I			
GR 4412 Weather Analysis II			
GR 4422 Weather Forecasting I			
GR 4432 Weather Forecasting II			
GR 4613 Applied Climatology			
GR 4623 Physical Meteorology			
GR 4633 Statistical Climatology			
GR 4733 Synoptic Meteorology			
GR 4753 Satellite & Radar Meteorology			
GR 4823 Dynamic Meteorology I			
GR 4933 Dynamic Meteorology II			
GR 4943 Mesoscale Meteorology			
CH 1211 Fundamentals of Chemistry (lab)			

MA 2733 Calculus III			
MA 3253 Differential Equations			
<b>2 of the following</b>	<b>6</b>		
GR 3113 Conservation of Natural Resources			
GR 4203 Geography of North America			
GR 4823 Natural Hazards			
GG 1033 Planetary Geology			
GG 3133 Intro to Environmental Geology			
GG 3603 Intro to Oceanography			
GG 3613 Water Resources			
GG 4523 Coastal Environments			
<b>Mathematics (University and College Core)</b>	<b>6</b>		
MA 1713 Calculus I			
MA 1723 Calculus II			
<b>Natural Science (University &amp; College Core)**</b>			
CH 1213 Fundamentals of Chemistry			
PH 2213 Physics I w/lab			
PH 2223 Physics II w/lab			
<b>Specified Electives (see Advisor)</b>	<b>20</b>		
<b>AMS (Broadcast Meteorology)</b>			
GR 4502 Practicum I			
GR 4512 Practicum II			
GR 4522 Practicum III			
GR 4532 Practicum IV			
CO 2013 Voice and Articulation			
CO 2333 TV Production			
CO 3333 Advanced TV Production			
CO 4990 Broadcast Performance			
<b>GIS</b>			
GR 2313 Maps and Remote Sensing			
GR 3033 Survey of Geospatial Technology			
GR 3313 Intro to Geodatabases			
GR 4303 Principles of GIS			
GR 4313 Advanced GIS			
GR 4333 Remote Sensing of the Physical Environment			
GR 4323 Cartographic Sciences			
<b>ROTC</b>			
AS 1012 The Air Force Today I			
AS 1022 The Air Force Today II			
AS 2012 The Development of Air Power I			
AS 2022 The Development of Air Power II			
AS 3013 Air Force Leadership Studies I			
AS 3023 Air Force Leadership Studies II			
AS 4013 Prep For Active Duty I			
AS 4023 Prep for Active Duty II			
<b>General Electives</b>	<b>1 - 4</b>		
<b>Total Concentration Hours</b>	<b>78 - 84</b>		

**Total Degree Hours Required**

**120 - 124**