

**Grand Valley State University**  
**CLAS Academic Advising Center**  
**C-1-140 Mackinac Hall**  
**616-331-8585**

**Graduate Teacher Certification Planned Program**  
**Earth Science Major – Secondary Education**

Student Name:

Date:

Email Address:

G#:

Transfer Institution(s):

*This planned program is based on the requirements in place for the current catalog year. You are subject to the requirements in place for the academic year when you begin to take classes, either at GVSU or elsewhere, and have eight years to complete all requirements under that specific catalog. If you do take courses elsewhere, you will need to provide GVSU with an official transcript upon completion of the courses. To confirm the courses required for completion of your academic and teaching plans, please contact the CLAS Academic Advising Center at 616-331-8585 or [advstu@gvsu.edu](mailto:advstu@gvsu.edu).*

Key:      ✓ - Completed or In Progress      W - Waived      Highlighted - Still Needs to be Completed

**Earth Science Major – Required Courses**

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade	Quality Points
GEO 111		Exploring the Earth	4				
GEO 112		Earth History	4				
GEO 175		Research Tools in Geosciences	1				
GEO 203		Weather and Climate for Pre-Service Teachers	3				
GEO 214		Solid Earth Materials and Systems	4				
GEO 220		Earth Surface Materials and Systems	4				
GEO 320		Geomorphology	4				
GEO 430		Oceanography	3				
GEO 485		Geology Research Seminar	1				
GEO 486		Geology Readings Seminar	1				
CHM 115		Principles of Chemistry I	4				
MTH 122		College Algebra	3				
MTH 123		Trigonometry	3				
PHY 105		Descriptive Astronomy	3				
PHY 220		General Physics I	5				
PHY 221		General Physics II	5				
SCI 450		Earth Science and Biology for Secondary Teachers	3				

**Cumulative GPA:** \_\_\_\_\_

**Special Considerations:**

**Notes:**

**Substitutions, Equivalencies, and Waivers Approved By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Prepared By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Academic Departmental Approval (Pending Completion of Highlighted Requirements):** \_\_\_\_\_ **Date:** \_\_\_\_\_