

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

**Graduate Teacher Certification Planned Program**  
**Chemistry Minor – Secondary Education**

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_

Email Address: \_\_\_\_\_ G#: \_\_\_\_\_

Transfer Institution(s): Northern Michigan University

*This planned program is based on the requirements in place for the current catalog year 2017-2018. 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

**Chemistry Minor<sup>1</sup> – Required Courses**

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade	Quality Points
CHM 115		Principles of Chemistry I	5				
CHM 116		Principles of Chemistry II	5				
CHM 221		Survey of Analytical Chemistry	4				
CHM 241 <b>OR</b> CHM 245 /246		Organic Chemistry for Life Sciences I <b>OR</b> Principles of Organic Chemistry I & Lab	4				
CHM 242 <b>OR</b> CHM 247 /248		Organic Chemistry for Life Sciences II <b>OR</b> Principles of Organic Chemistry II & Lab	4				
SCI 440		Physics and Chemistry in Secondary Education	3				

**Cumulative GPA:**

**Special Considerations:**

<sup>1</sup> A chemistry minor requires a minimum of 24 credits.

<sup>2</sup> Students with credit for CHM 231 and 232 can appeal to the chemistry department for a possible substitution for the organic sequence.

**Notes:**

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

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

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