

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

**Teaching Endorsement Planned Program**  
**Chemistry Major – Secondary Education**

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

Email Address: \_\_\_\_\_ SID: \_\_\_\_\_

Phone: \_\_\_\_\_

Transfer Institution(s): \_\_\_\_\_

**Chemistry Major – 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 222		Quantitative Analysis	3				
CHM 225		Instrumental Analysis I	3				
CHM 245 /246		Principles of Organic Chemistry I & Lab1	4				
CHM 247 /248		Principles of Organic Chemistry II & Lab1	4				
CHM 232 CHM 461		Biological Chemistry <b>OR</b> Biochemistry I <sup>2</sup>	4 4				
CHM 351		Introduction to Physical Chemistry	3				
CHM 352		Applied Physical Chemistry	1				
CHM 391		Chemistry Seminar I <sup>3</sup>	1				
CHM 419		Chemistry in Secondary Education	3				
CHM 491		Chemistry Seminar II	1				
MTH 201		Calculus I	5				
PHY 220		General Physics I	5				
PHY 221		General Physics II	5				
BIO 120 or 121		General Biology I General Biology II	4 4				
GEO 111 <sup>4</sup>		Exploring the Earth	4				

**Total Credits Needed: 60**

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

**Special Considerations:**

<sup>1</sup> If CHM 241/242 are taken, then the bridge course of CHM 249 must also be taken.

<sup>2</sup> Recommend CHM 461 (based on pre-requisites for CHM 232)

<sup>3</sup> Required of all chemistry majors. Two semesters of seminar are required for one credit. Students should register for zero credit in their first semester and one credit in their second semester. CHM 391 is required only of students who take their junior year in chemistry at Grand Valley.

<sup>4</sup> Recommended GEO 111, however any geology course will substitute

**Notes:**

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**Departmental Approval:** \_\_\_\_\_ **Date** \_\_\_\_\_

1 copy student; 1 copy CLAS Advising Center File; 1 copy College of Education; 1 copy Major Program Advisor

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**Next Steps:**

1. Apply to Grand Valley State University if you have undergraduate courses remaining. Click here for a link to the Admissions Application: <http://admissions.gvsu.edu/admissions/undergrad.asp>
2. Successfully complete all coursework
3. Successfully complete the State required test in your endorsement area
4. Complete the “endorsement application” form from the Registrar’s Office.
5. Submit official transcripts from all colleges and universities you have attended (do not resend if Grand Valley has all of your transcripts).
6. A returned approved Endorsement Audit from the appropriate academic department.

After all paperwork has been received and the recommendation has been made to the State, the Registrar’s Office will mail you a 90-day letter verifying the completion of your new endorsement. The State will send you the fee for a new endorsement. Once you pay the fee, the State will mail you a newly endorsed teaching certificate.