

**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:

G#:

Transfer Institution(s):

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

**Chemistry Major – Required Courses**

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade	Quality Points
CHM 115		Principles of Chemistry I	4				
CHM 116		Principles of Chemistry II	5				
CHM 221		Survey of Analytical Chemistry	4				
CHM 245 /246		Principles of Organic Chemistry I & Lab1	4/1				
CHM 247 /248		Principles of Organic Chemistry II & Lab1	3/1				
CHM 351		Introduction to Physical Chemistry	3				
CHM 352		Applied Physical Chemistry	1				
CHM 391		Chemistry Seminar I	1				
CHM 419		Chemistry in Secondary Education	3				
CHM 461		Biochemistry I	3				
CHM 491		Chemistry Seminar II (Capstone)	1				
MTH 201		Calculus I	4				
PHY 220		General Physics I	5				
PHY 221		General Physics II	5				
BIO 120		General Biology I	4				
BIO 121		General Biology II	4				
GEO 111		Exploring the Earth	4				

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

**Special Considerations:**

1. CHM 241/242 can sub for CHM 245/246/247/248 **with approval from the chemistry department**
2. Other GEO courses may be used, pending approval of the Chemistry department
3. Students who are seeking a certification by the American Chemical Society (ACS) must also complete:
  - a. At least 190 lab hours in additional elective chemistry courses above the 200 level
  - b. Seven additional credits of CHM courses above the 200 level, which must include either CHM 462 or 477
  - c. CHM 490 and CHM 499 lab hours and credits may be used to satisfy the ACS certification requirements.

**Notes:**

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**Substitutions, Equivalencies, and Waivers Approved By:**

**Date:**

**Prepared By:**

**Date:**

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

**Date:**