

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

Graduate Teacher Certification Planned Program
Chemistry 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.

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				
CHM 247 /248		Principles of Organic Chemistry II & Lab1	4				
CHM 351		Introduction to Physical Chemistry	3				
CHM 352		Applied Physical Chemistry	1				
CHM 419		Chemistry in Secondary Education	3				
CHM 461		Biochemistry I	4				
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:

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

Notes:

Substitutions, Equivalencies, and Waivers Approved By:

Date:

Prepared By:

Date:

Academic Departmental Approval (Pending Completion of Highlighted Requirements):

Date: