Chemistry Teacher Certification Academic Map

This academic map is a suggested four-year schedule of courses based on degree requirements in the GGC catalog. This sample schedule serves as a general guideline to help build a full schedule each term. **Missing milestones could delay your program.**

### FRESHMAN FALL
- English Composition I: ENGL 1101 (3)
- Pre-Calculus: MATH 1113 (4)
- Principles of Chemistry I with Laboratory: CHEM 121K (4)
- Introduction to Computing: ITEC 1001 (4)
- Choices for Life: PHED 1101 (1)

**TOTAL:** 16

### FRESHMAN SPRING
- English Composition II: ENGL 1102 (3)
- Calculus: MATH 2200 (4)
- Principles of Chemistry II with Laboratory: CHEM 1212K (4)
- Critical and Contemporary Issues in Education: EDUC 2110 (3)
- Physical Education: Any PHED except 1101 (1)

**TOTAL:** 15

### FRESHMAN SUMMER
- Exploring Socio-Cultural Perspectives: EDUC 2120 (3)

**TOTAL:** 3

### SOPHOMORE FALL
- Exploring Teaching and Learning: EDUC 2130 (3)
- Social Science: PSY 1102/SOC 1101/ ANTH 1102/ ECON 2100 (3)
- Organic Chemistry I with Laboratory: CHEM 221K (4)
- Introduction to Physics I with Laboratory: PHYS 1111K (4)

**TOTAL:** 14

### SOPHOMORE SPRING
- Introductory Physics II with Laboratory: PHYS 1112K (4)
- Inorganic Chemistry with Laboratory: CHEM 3100K (4)
- Analytical Chemistry: CHEM 3000K (4)
- Information Technology: ITEC 2110 (4), ITEC 2120 (4), or DATA 1501 (3)
- Physical Education: Any PHED except 1101 (1)

**TOTAL:** 16/17

### SOPHOMORE SUMMER
- MAP 2120 (4), or MAP 2130 (4)
- Any PHED except 1101
- Education: EDUC 2110
- CHEM 1212K
- MATH 2200
- ENGL 1102

**TOTAL:** 16/17

### JUNIOR FALL
- Teaching and Learning in the Secondary Classroom: EDUC 3400A (3)
- Grades 6-12 Field I: EDUC 3400B (1)
- Characteristics of Students with Special Needs P-12: SPED 3100 (3)
- Humanities/Fine Arts I: MUSIC 1100/ ARTS 1100/ ENGL 21XX/ FILM 1105/ THEA 1100 (3)
- Environmental Chemistry: CHEM 3200 (3)
- Broad Field Science and Chemistry: ISCI 3800 (2)

**TOTAL:** 15

### JUNIOR SPRING
- Middle Grades and Secondary Science Methods: EDUC 3630 (2)
- Secondary Education Practicum II: EDUC 3650 (1)
- Physical Chemistry I with Laboratory: CHEM 4201K (4)
- Content Area Literacies: READ 3400 (3)
- Digital Age Teaching Seminar: EDUC 3700 (1)
- Biochemistry with Laboratory: BCHM 3100K (4)

**TOTAL:** 15

### JUNIOR SUMMER
- PREPARE FOR GACE CONTENT EXAM
- VOLUNTEER
- GET A JOB

### SENIOR FALL
- Instructional Adaptation in Grades 6-12: EDUC 4600A (3)
- Educational Assessment in Grades 6-12: EDUC 4600B (3)
- Grades 6-12 Practicum: EDUC 4600C (2)
- Opening School Experience: Chemistry: EDUC 4080 (0)
- American Government: POLS 1101 (3)
- History: HIST 1111, 1112, 1121, 1122, 2111, or 2112 (take one not already completed) (3)

**TOTAL:** 14

### SENIOR SPRING
- Student Teaching: Professional Practices: EDUC 4885A (4)
- Student Teaching: Planning and Assessment: EDUC 4885B (4)
- Leadership Seminar: EDUC 4800 (1)
- Humanities/Fine Arts II: RELN 1101/ GEOG 1101/ 2000 LEVEL FOREIGN LANGUAGE (3)
- U.S. History: HIST 2111 OR 2112 (3)

**TOTAL:** 15

This map was created based on the GGC Program requirements.