Chemistry Major 2016-2017
Secondary Education Certification

Required Coursework

Semester 1		Semester 2
CHEM 105, C-PN		CHEM 107
THRS 117, C-TF		PHIL 120, C-PF
MATH 131, C-QR		MATH 132
Elective/Minor/Core		Elective/Minor/Core

Semester 3		Semester 4
CHEM 220		CHEM 222 or 232
Sophomore Block		CHEM 311
EDUC 223		CHEM Elective
EDUC 230		Elective/Minor/Core
EDUC 250		
EDUC 252		
EDUC 254		
EDUC 281		
EDUC 351		

Semester 5		Semester 6
PHYS 111 or 121		PHYS 112 or 122
CHEM 350		Junior Block
CHEM 312		EDUC 330
EDUC 352		EDUC 332
		EDUC 333
		EDUC 334

Semester 7		Semester 8
CHEM 330		EDUC 450
CHEM 332		EDUC 455
CHEM Elective		
CHEM 305		

Requirement Checklist

- ☐ CHEM 105 General Chemistry 1, C-PN
- ☐ CHEM 107 General Chemistry 2
- ☐ CHEM 211 Quantitative Analysis
- ☐ CHEM 220 Organic Chemistry
- ☐ CHEM 222 Organic Chemistry: Intermediate or CHEM 232 Organic Chemistry: Research Emphasis
- ☐ CHEM 312 Instrumental Analysis
- ☐ CHEM 330 Physical Chemistry 1
- ☐ CHEM 332 Physical Chemistry 2
- ☐ CHEM 305 Inorganic Chemistry
- ☐ MATH 131 Calculus and Analytical Geometry 1, C-QR
- ☐ MATH 132 Calculus and Analytical Geometry 2
- ☐ PHYS 111 or 121 Fundamentals/General Physics 1
- ☐ PHYS 112 or 122 Fundamentals/General Physics 2
- ☐ Chemistry Elective 300+ _____
- ☐ Chemistry Elective 300+ _____
- ☐ EDUC 125 Foundations of US Education
- ☐ EDUC 130 Psychology for Teaching, C-IS
- ☐ EDUC 223 Instructional Technology (2cr)
- ☐ EDUC 250 Pre-Student Teaching Experience, Secondary School (2cr)
- ☐ EDUC 252 The Comprehensive High School (2cr)
- ☐ EDUC 254 Instructional Methodologies for Adolescents (2cr)
- ☐ EDUC 281 Teaching Children with Disabilities (2cr)
- ☐ EDUC 330 The Early Adolescent: Classroom Management (2cr)
- ☐ EDUC 332 The Adolescent: Psychology and Methods in the Middle School (2cr)
- ☐ EDUC 333 The Early Adolescent: Assessment (2cr)
- ☐ EDUC 334 Middle School Field Experience (2cr)
- ☐ EDUC 351 Reading and Language Arts Across Content Areas
- ☐ EDUC 352 Advanced Reading in Content Areas(2cr)
- ☐ EDUC 450 Student Teaching: Early Adolescence
- ☐ EDUC 455 Student Teaching: Adolescence
- ☐ SSCI 408 Social Inequalities, C-AD/DD