

CHEMISTRY EDUCATION (6 – 12)

First Semester Freshman Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
ENC 1101 Freshman Communication Skills I	3					
CHM 1045* General Chemistry with Lab	4					
EDG 1072 College Success & Beyond	3					
MAC 2311** Calculus I	4					
Total Semester Hours :	14					Advisement with the CAS
Second Semester Freshman Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
ENC 1102 Freshman Communication Skills II	3					
CHM 1046 with Lab	4					
CHM 1901 Freshmen Special Topics In Chemistry I (pre-rea: CHM 1045 and permission of the chair; co-req: CHM 1046)	1					
EDF 1005 Introduction to the Teaching Profession w/Field Exp.	3	15				
MAC 2312 Calculus II	4					
Total Semester Hours:	15	15				Take the FTCE GK Advisement with the CAS
Summer Semester Freshman Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
Approved Humanities elective (from short list)	3					
POS 2041 or approved Social Science elective	3					
GLY 2001 Introduction to Earth & Space Sciences	3					
Total Semester Hours:	9					Advisement with the CAS
First Semester Sophomore Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
PHY 2048 General Physics I with lab (co-req: MAC 2311)	4					
POS 2112 or approved Social Science elective	3					
EME 2040 Introduction to Technology for Educators	3					
AMH 2091 Introduction to African American History	3					
Approved Humanities elective	3					
Total Semester Hours:	16					Apply for admission to the COE Advisement with the CAS
Second Semester Sophomore Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
ETE 2210C Introduction to STEM Education	3					
CHM 2903 Sophomore Special Topics in Chemistry I (pre-reqs: CHM 1045 + 1046 and permission of the chair; co-req: CHM 2210)	1					
CHM 2210 Organic Chemistry I with lab	4					
EDF 2085 Introduction to Diversity for Educators w/Field Experiences	3	15				
EDF 3135 The Adolescent Learner	3					
Total Semester Hours:	14	15				Advisement with the CAS

* You need to have scored a 26 or better on ACT Math or a 600 or better on SAT Math or a 76 on the ALEKS in order to enroll in this course. If you haven't earned these scores, you will need to start in a lower Chemistry course and will have to take additional coursework in subsequent semesters to graduate in 4 years.

** If you do not make at least 76 on the ALEKS, you will start in a lower math course and will have to take additional coursework in subsequent semesters to graduate in 4 years.

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First Semester Junior Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
TSL 4081 Instructional Survey for Teaching ESOL (Fall only)	3	21				
CHM 2211 Organic Chemistry II with lab	4					
RED 3333 Teaching Reading in the Content Areas	3					
ESE 3341 Theory & Practice of Secondary Schools (Fall only)	3	15				
CHM 2904 Sophomore Special Topics in Chemistry II (pre-reqs: CHM 1045 + 1046 and permission of the chair; co-req: CHM 2211)	1					
Total Semester Hours:	14	36				Pass Professional Exam of FTCE Advisement with the CAS
Second Semester Junior Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
CHM 4900 Short Courses in Chemistry	2					
EDF 3430 Measurement and Evaluation of Educational Growth	3					
MAE 4360 Methods of Teaching Middle & Secondary Mathematics	4	20				
SCE 3330 The Teaching of Science in the High School	3	15				
Total Semester Hours:	12	35				Pass Subject Area of FTCE Advisement with the CAS
First Semester Senior Year						
PHY 2049 General Physics II with lab (pre-req: PHY 2048)	4					
CHM 4410 Physical Chemistry I with lab (pre-reqs: MAC 2311 + MAC 2312)	4					
ESE 4930 Instructional Seminar in Secondary Education	3					
MAP 2302 Differential Equations	3					
Total Semester Hours	14					Apply to Student Teach Advisement with the CAS
Senior Year Spring Semester						
ESE 4943 Student Teaching in Secondary School (pre-req: successful completion of all other coursework)	12	280				
Total Semester Hours	12					Apply for Graduation Meet with Chair
Total Hours for Degree Completion	120					