Student Name _____Catalog Year _____ Graduation Year _____

CHEMISTRY Major with a Second Major in SECONDARY EDUCATION

Concentration VII: Chemistry Education* (for students earning licensure to teach chemistry)

A similar but different option to licensure is: Conc V: General Program in Chemistry with SEED minor PLUS 5th year Masters in Education
Talk with Dr. Reisner for the latest updates on these two options

Core Requirements for All Chemistry Department Concentrations[1]:

____	CHEM 131[4]	General Chemistry I	(F,Sp,Su)	3
____	CHEM 132[4]	General Chemistry II	(Sp,Su,F)	3
____	CHEM 135L[2,4]	Special General Chemistry Lab I	(F)	1
____	CHEM 136L[2,4]	Special General Chemistry Lab II	(Sp)	2
____	CHEM 241[4]	Organic Chemistry I	(F)	3
____	CHEM 242[4]	Organic Chemistry II	(Sp)	3
____	CHEM 270[4]	Inorganic Chemistry I	(Sp)	3
____	CHEM 287L[4]	Integrated Inorg/Org Lab I	(F)	2
____	CHEM 288L[4]	Integrated Inorg/Org Lab II	(Sp)	2
____	CHEM 331[4]	Physical Chemistry I	(Sp)	3
____	CHEM 351[4]	Analytical Chemistry	(F)	4
____	CHEM 361[4]	Biochemistry I	(F,Sp)	3
____	CHEM 481[4]	Literature and Seminar I	(F)	1
____	MATH 235[3,5]	Calculus I	(F,Sp,Su)	4
____	MATH 236	Calculus II	(F,Sp,Su)	4
____	PHYS 240	University Physics I	(F,Sp)	3
____	PHYS 250	University Physics II	(Sp,F)	3
____	PHYS 240L	University Physics Lab I	(F)	1
____	PHYS 250L	University Physics Lab II	(Sp)	1
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[1]These courses may NOT be taken credit / no credit
[2]CHEM 131L and 132L (2 credits) may substitute for 135L and 136L
[3] MATH 231 and 232 (6 credits) may substitute for MATH 235
[4]Must earn a grade of C- or higher in all CHEM courses for teacher licensure

Additional Chemistry / Secondary Education Program Requirements[1]:

____	CHEM 325[4]	Chemical Hazards & Safety	(F,odd)	1
____	CHEM 336L[4]	Applied Physical Chemistry Lab	(Sp)	2
____	CHEM 397[5]	Science Pedagogy	(F)	2
____	ISCI 173	Life & Environmental Sci for Teachers	(F,Sp)	3
____	PSYC 160[5]	Lifespan Human Development	(F,Sp,Su)	3
____	WRTC 103[5]	Critical Reading and Writing	(F,Sp,Su)	3
____	EDUC 165[6]	Social Foundations of Exceptionalities	(F,Sp)	3
____	EDUC 300[6]	Foundations of American Education	(F,Sp)	3
____	EDUC 310[6]	Teaching in a Diverse Society	(F,Sp)	3
____	MSSE 240[6]	Foundation of General Education 6-12	(F,Sp)	3
____	MSSE 303[6]	Classroom Management for Adolescents	(F,Sp)	3
____	MSSE 425[6]	Assessment in Middle & Secondary Ed	(F,Sp)	3
____	MSSE 450[6]	Internship Seminar	(F,Sp)	2
____	MSSE 460[6]	Differentiation for Adolescents	(F,Sp)	3
____	MSSE 470S[6]	Science Teaching Methods, Grades 6-8	(F,Sp)	3
____	MSSE 471S[6]	Field Experience in Middle School	(F,Sp)	1
____	MSSE 475[6]	Internship in Middle and Secondary Ed	(F,Sp)	8
____	MSSC 480S[6]	Science Teaching Methods, Grades 9-12	(F,Sp)	2
____	MSSC 481S[6]	Field Experience in High School	(F,Sp)	1
____	MSSE 495[6]	Special Topics in Sci Pedagogical Content	(F,Sp)	2
____	LED 440[6]	Literacy Based Learning in 2ndary Ed	(F,Sp)	3
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[5]Must earn a grade of C or higher in these Courses Required for Teacher Education Admission
[6]Must earn a grade of B- or higher in all EDUC, MSSE and LED courses for teacher licensure

(F = Fall, Sp = Spring, Su = Summer, all are subject to change)

*It is the student's responsibility to meet any required co- or pre- requisites.

Updated April 2021