

CHEMISTRY & SECONDARY EDUCATION (MAJOR)

ED-455A & ED-455EA	Directed Observation Teaching High Sch and Directed Observ/Teaching Middle Sch	12
ED-475	Student Teaching Seminar	0
ED-477	Tchg Science/Middle-Secondary Schl	4

¹ MT-123, MT-124 and/or MT-148 are prerequisites for Calculus and some chemistry courses. Check with advisor.

Requirements

Code	Title	Credits
Chemistry Major w/SED Beginning		
SC-120 & 120L	Foundations of Biology and Foundations of Biology Lab	4
CH-213 & 213L	Chemistry of Bioorganic Molecules and Chemistry of Bioorganic Molecules Lab	4
MT-152	Calculus 1 ¹	4
Chemistry Major w/SED Intermediate		
MT-253	Calculus 2	4
CH-234 & 234L	Analytical Chemistry/Quantitative Analysis and Analytical Chem-Quant Analysis Lab	4
CH-221 & 221L	Organic Chemistry 1 and Organic Chemistry 1 - Lab	4
CH-260 & 260L	Chemistry of Inorganic Materials and Chemistry/Inorganic Materials - Lab	4
CH-328 & 328L	Biochemistry and Biochemistry - Lab	4
CH-399	Formal Introduction to Advanced Work	0
PH-241	Calculus-Based Physics 1	4
PH-242	Calculus-Based Physics 2	4
Take one of the following:		3-4
CH-322 & 322L	Organic Chemistry 2 and Organic Chemistry 2 Lab	
CH-337	Instrumental Methods of Analysis Lab	
CH-395	Biochemistry of Micronutrients	
Chemistry Major w/SED Advanced		
CH-414	Chemistry Professional Portfolio	0
CH-441	Physical Chemistry 1	3
CH-442	Physical Chemistry 2	3
Secondary Education Major Beginning		
ED-116	Human Relations Workshop	3
ED-201S	Exploration Tchg, Lrng & Assess-SED	4
Praxis I		
PED-150 or PSY-110	Human Development Life Span Development	4
Secondary Education Major Intermediate		
ED-220	Interview Assessment	0
ED-321	Middle School Teaching & Field	4
ED-396	Introduction to Exceptional Learner	3
ED-399	Formal Introduction to Advanced Work	0
HS-308 or HS-309	US History 1607-1900 US in 20th Century	4
Secondary Education Major Advanced		
ED-315S	Immersion in Tchg, Learng & Assess-SED	4
PST-329	Praxis II Prep Seminar	0
Praxis II		
ED-420	Portfolio/Interview Assessment	0

Alverno Difference

For 130 years, Alverno College has been dedicated to the education of women, preparing them for lives of personal and professional distinction and meaningful engagement with the world. Alverno extends this mission to men as well, through graduate and adult classes. We are a Catholic, liberal arts college with a curriculum so unique, educators from around the world come to Alverno to learn how we teach. Alverno's abilities-based approach to learning ensures our graduates will learn more in class and retain knowledge longer. Students do not receive traditional grades, rather, they are assessed by faculty, community assessors, peers and themselves. Our small class sizes ensure students receive uncommon access to faculty. With an average student to teacher ratio of 10:1, you are guaranteed an individualized learning experience.