

# WSU College of Education Teacher Education Program

## Chemistry Endorsement

Requirements: 63-64 Credit Hours

Name: \_\_\_\_\_ WSU ID #: \_\_\_\_\_

Prefix	Course	Crs.	Grade	Sem.	Notes
CHEM 105	Principles of Chemistry I	4			
CHEM 106/116	Principles of Chemistry II/Honors	4			
CHEM 220	Quantitative Analysis	2			
CHEM 222	Quantitative Analysis Lab	2			
CHEM 345	Organic Chemistry I	4			
CHEM 348	Organic Chemistry II and Problem Solving	4			
MBIOS 303	Intro Biochemistry	4			
MBIOS 304	Microbiology & Molecular Biology Lab	3			
BIOLOGY 106	Intro Biology: Organismal Biology	4			
BIOLOGY 107	Intro Biology: Cell Biology & Genetics	4			
PHYSICS 101/201	General Physics I/Physics for Sci & Engin. I	4			
PHYSICS 102/202	General Physics II/Physics for Sci & Engin. II	4			
BIOLOGY/SCIENCE 430	Methods of Teaching Science	3			

Complete Seven (7) Hours from 300 and 400 Level Chemistry Courses (including CHEM 331 or MBIOS 465, and at least 4 hours from CHEM 333, 335, 347, 398, 425, 495 or 499:

Prefix	Course	Crs.	Grade	Sem.	Notes
		3			
		4			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
MATH 140	Calculus for Life Scientists	4			
MATH 171	Calculus I	4			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
PSYCH 311	Elementary Statistics in Psychology	4			
STAT 212	Intro to Statistical Methods	4			
STAT 412	Statistical Methods in Research I	3			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
HISTORY 381	Science in Western Civ. through Newton	3			
HISTORY 382	Science in Western Civ.: Newton-Einstein	3			
HISTORY 483	Technology and Social Change to 1950	3			
SOC 430	Society and Technology	3			
HONORS 390	Global Issues in the Sciences	3			

^Endorsements designate the subject matter an individual is authorized to teach.

^The above requirements are for the teaching endorsement only and do not necessarily fulfill the requirements for a major/minor. The student is responsible for all course prerequisites and for satisfying departmental requirements for graduation.

