

**WSU College of Education Teacher Education Program  
Chemistry Endorsement**

Requirements: 76-77 Credit Hours

Name: \_\_\_\_\_

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

Date: \_\_\_\_\_

Prefix	Course	Crs.	Grade	Sem.	Notes
BIOLOGY 106	Intro Biology: Organismal Biology	4			
BIOLOGY 107	Intro Biology: Cell Biology & Genetics	4			
BIOLOGY 430	Methods of Teaching Secondary Science	3			
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 301	Descriptive Inorganic Chemistry	3			
CHEM 331/338	Physical Chem/Physical Chem for Chem Bio	3			
CHEM 345	Organic Chemistry I	4			
CHEM 348	Organic Chemistry II and Problem Solving	4			
CHEM 398	Undergraduate Seminar	1			
CHEM 485	Senior Thesis in Chemistry	3			
MBIOS 303/CHEM 370	Intro Biochemistry/Chemical Biology	4/3			
PHYSICS 101/201	General Physics I/Physics for Sci & Engin. I	4			
PHYSICS 102/202	General Physics II/Physics for Sci & Engin. II	4			
STAT 212	Intro to Statistical Methods	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			

Complete five (5) hours of advance chemistry electives from CHEM 347, 425, 426, 490, 499, any 500-level CHEM course, or STAT 412 course

Prefix	Course	Crs.	Grade	Sem.	Notes

Complete at least 11 credits in addition to those specified must be at the 300-400-level, for a total of at least 40 upper division credits.

Prefix	Course	Crs.	Grade	Sem.	Notes

^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.