

WSU College of Education, Sport, and Human Sciences: Teacher Education Program**Chemistry Endorsement**

Requirements: 66 Credit Hours

Name: _____

WSU ID #: _____

Chemistry NES Passed: _____

Date: _____

Prefix	Course	Crs.	Grade	Sem.	Notes
BIOLOGY 106	Intro Biology: Organismal Biology	4			
BIOLOGY 107	Intro Biology: Cell Biology & Genetics	4			
BIOLOGY/TCH_LRN 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 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 370**	Chemical Biology	3			
CHEM 398	Undergraduate Seminar	1			
CHEM 485	Senior Thesis in Chemistry	3			
ENGR 120	Innovation in Design	2			
PHYSICS 101/201	General Physics I	3			
PHYSICS 111/211	General Physics Lab I	1			
PHYSICS 102/202	General Physics II	3			
PHYSICS 112/212	General Physics Lab II	1			
SOE 101 or 102	Geology	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			

* CHEM 331 or 332 can be substituted for CHEM 338

**M BIOS 303 can be substituted for CHEM 370

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.

Updated: March 2025