

**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

\*\*MBIOS 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