

## Curriculum Guide for AS to B.S.Ed. Science: Chemistry at WCU

## Freshman/First Year

| 1st Semester* Fall                  |                        |         |              |                | 2nd Semester Spring       |                                       |         |              |                |
|-------------------------------------|------------------------|---------|--------------|----------------|---------------------------|---------------------------------------|---------|--------------|----------------|
| CC Course                           | WCU Course Equivalent  | LS Cat. | Credit Hours | Required/Notes | CC Course                 | WCU Course Equivalent                 | LS Cat. | Credit Hours | Required/Notes |
| ENG 111                             | ENGL 101               | C1      | 3            |                | ENG 112                   | ENGL 202                              | C1      | 3            |                |
| MAT 171                             | MATH 146               | C2      | 4            | Required       | COM 231                   | COMM 201                              | C3      | 3            | Preferred      |
| History (Social/Behavioral Science) | History                | P3      | 3            | Preferred      | MAT 172                   | Pre-req for MAT 271 (MATH 153 at WCU) |         | 4            |                |
| Humanities/Fine Arts                | Fine & Performing Arts | P5      | 3            |                | BIO 112 (Natural Science) | BIOL 141                              |         | 4            | Required       |
| BIO 111 (Natural Science)           | BIOL 140               | C5      | 4            | Required       | Social/Behavioral Science | Social Sciences                       | P1      | 3            |                |
| ACA 122                             | USI 130                |         | 1            |                |                           |                                       |         |              |                |
| Total Credit Hours                  |                        |         |              |                | Total Credit Hours        |                                       |         |              |                |
| 18                                  |                        |         |              |                | 17                        |                                       |         |              |                |

\*This assumes placement into college level courses. This is only meant to be a guide. Please see your academic advisor to develop your individual plan.

## Sophomore/Second Year

| 3rd Semester Fall                   |                       |         |              |                | 4th Semester Spring             |                       |         |              |                |
|-------------------------------------|-----------------------|---------|--------------|----------------|---------------------------------|-----------------------|---------|--------------|----------------|
| CC Course                           | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes | CC Course                       | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes |
| EDU 216**                           | EDCI 201              |         | 3            | Required       | CHM 152                         | CHEM 140              |         | 4            | Required       |
| MAT 271                             | MATH 153              |         | 4            | Required       | Social/Behavioral Sciences      | Social Science        | P1      | 3            |                |
| CHM 151                             | CHEM 139              | C5      | 4            | Required       | HEA 110/PED 110/Other Electives | Wellness              | C4      | 3            |                |
| Social Science (Global Perspective) | World Cultures        | P6      | 3            |                | Humanities/Fine Arts            | Humanities            | P5      | 3            |                |
| Total Credit Hours                  |                       |         |              |                | Total Credit Hours              |                       |         |              |                |
| 14                                  |                       |         |              |                | 13                              |                       |         |              |                |

\*\* Students should complete the Praxis Core Academic Skills for Educators Exam during their EDU 216 semester in anticipation of Admission to the TEP prior to beginning classes at WCU.

Please see website for admission criteria:

[TeacherEdAdmission.wcu.edu](http://TeacherEdAdmission.wcu.edu)

## Suggested Course Sequence to transfer from NCCCS

**Junior/Third Year (at WCU)**

5th Semester      Fall

6th Semester      Spring

| WCU Course         | Course Title  | Credit Hours | Notes | WCU Course         | Course Title         | Credit Hours | Notes |
|--------------------|---|--------------|-------|--------------------|----------------------|--------------|-------|
| SCI 150            | Intro to Secondary Science Education                    | 1            |       | CHEM 241           | Organic Chemistry I  | 4            |       |
| CHEM 232           | Quantitative Analysis                                   | 4            |       | CHEM 352           | Physical Chemistry I | 3            |       |
| GEOL 150           | Methods in Geology                                      | 4            |       | PHYS 231           | General Physics II   | 4            |       |
| PHYS 230           | General Physics I                                       | 4            |       | SCI 301            | Nature of Science    | 3            |       |
| SPED 339           | Designing Classrooms as Responsive Learning Communities | 3            |       | CHEM 495           | Chemistry Seminar    | 1            |       |
| Total Credit Hours |   | 16           |       | Total Credit Hours |                      | 18           |       |

Depending on hours and grades, a summer semester may be advisable.

**Senior/Fourth Year**

7th Semester      Fall

8th Semester      Spring

| WCU Course         | Course Title  | Credit Hours | Notes | WCU Course         | Course Title                           | Credit Hours | Notes |
|--------------------|---|--------------|-------|--------------------|--|--------------|-------|
| SCI 422            | Principles & Methods of Science Education               | 3            |       | SCI 491            | Supervised Student Teaching in Science | 3            |       |
| CHEM Elective      | CHEM 242, 321, 330, etc.                                | 3            |       | EDSE 490           | Supervised Student Teaching            | 6            |       |
| EDSE 483           | Secondary/Special Subject Area Internship I and Methods | 2            |       | EDSE 495           | Seminar                                | 3            |       |
| GEOL 155           | Historical Geology                                      | 4            |       |                    |  |              |       |
| CHEM 380           | Research in Chemistry                                   | 2            |       |                    |  |              |       |
| PSY 323            | Psychology Applied to Learning and Teaching             | 3            |       |                    |  |              |       |
| Total Credit Hours |   | 17           |       | Total Credit Hours |  | 12           |       |

Program website: [ScienceBSED.wcu.edu](http://ScienceBSED.wcu.edu)

For Academic Advising questions, please visit:

[Suite 201.wcu.edu](http://Suite 201.wcu.edu)