

| Chemistry B.S. Suggested Plan of Study  |       |                                      |       |    |
|---|-------|--------------------------------------|-------|----|
| 28 ACT 630 SAT  |       |                                      |       |    |
| First Year  |       |                                      |       |    |
| Fall  | Hours | Spring                               | Hours |    |
| ARSC 120  | 1     | ARSC 220                             | 1     |    |
| CHEM 117  | 5     | CHEM 118                             | 5     |    |
| MATH 155 (GEF 3; B.S. Second Area 1)  | 4     | MATH 156 (GEF 8; B.S. Second Area 2) | 4     |    |
| ECAS Fine Arts Requirement (GEF 6)  | 3     | ENGL 101 (GEF 1)                     | 3     |    |
| ECAS Global Studies & Diversity Requirement (GEF 7)   |       | General Elective                     | 2     |    |
| WVUE 191  | 1     |                                      |       |    |
|   | 17    |                                      | 15    | 32 |
| Second Year   |       |                                      |       |    |
| Fall  | Hours | Spring                               | Hours |    |
| UTCH 221 (GEF 4)  | 3     | UTCH 222                             | 3     |    |
| MATH 251  | 4     | CHEM 234                             | 3     |    |
| CHEM 233  | 3     | CHEM 236                             | 1     |    |
| CHEM 235  | 1     | PHYS 112 (B.S. Third Area 2)         | 4     |    |
| PHYS 111 (GEF 8; B.S. Third Area 1)   | 4     | AGBI 410                             | 3     |    |
|   |       | CHEM 490/490A/490B                   | 1     |    |
|   | 15    |                                      | 15    | 30 |
| Third Year  |       |                                      |       |    |
| Fall  | Hours | Spring                               | Hours |    |
| MATH 318 (GEF 5)  | 3     | CHEM 376                             | 3     |    |
| ENGL 102 (GEF 1)  | 3     | CHEM 347                             | 1     |    |
| CHEM 335  | 4     | CHEM 348                             | 3     |    |
| CHEM 346  | 3     | PHYS 211/General Elective*           | 4     |    |
| CHEM 490/490A/490B  | 1     | CHEM Elective                        | 3     |    |
| General Elective  | 1     | PHYS 490/General Elective*           | 1     |    |
|   | 15    |                                      | 15    | 30 |
| Fourth Year   |       |                                      |       |    |
| Fall  | Hours | Spring                               | Hours |    |
| UTCH 420  | 3     | UTCH 430                             | 10    |    |
| CHEM 313  | 1     | CHEM 423                             | 2     |    |
| CHEM 349  | 2     |                                      |       |    |
| PHYS 314/General Elective*  | 4     |                                      |       |    |
| CHEM 422  | 3     |                                      |       |    |
| General Elective  | 2     |                                      |       |    |
|   | 15    |                                      | 12    | 27 |
| Total credit hours required: 120; Students without entering credit will need 1 more hour to graduate.   |       |                                      | 119   |    |
| For WVUteach students, CHEM 376 serves as the capstone experience, replacing 401, 403, and 1 hour of elective. It is recommended that WVUteach students get involved in teaching activities within the department. For instance, teaching assistants for 1 lab receive 1 credit of CHEM 490 (teaching practicum), PLTL leaders receive 1 credit, as do volunteer tutors at the Chemistry Learning Center. *PHYS 111/112, PHYS 211, and PHYS 314 will allow chemistry majors to comfortably teach physics. No more than 3 credit hours of CHEM 490 and CHEM 497 (research) combined can be used toward the 6 credits of chemistry electives. |       |                                      |       |    |