

Chemistry Education Major

Program: Chemistry Education

Type: Bachelor of Science

Content Area Courses

Content Area Courses

| Item # | Title | Credits |
|----------|-----------------------------------|---------|
| CHEM 111 | General Chemistry I | 4 |
| CHEM 111 | General Chemistry I Laboratory | 1 |
| CHEM 112 | General Chemistry II | 4 |
| CHEM 112 | General Chemistry II Laboratory | 1 |
| CHEM 271 | Organic Chemistry I | 3 |
| CHEM 271 | Organic Chemistry I Laboratory | 1 |
| CHEM 331 | Quantitative Analysis | 3 |
| CHEM 331 | Quantitative Analysis Laboratory | 1 |
| CHEM 375 | Biochemistry | 3 |
| CHEM 375 | Biochemistry Laboratory | 1 |
| GSCI 230 | History and Philosophy of Science | 3 |
| BIOL 200 | General Biology | 3 |
| BIOL 200 | General Biology Laboratory | 1 |

Take 3 or 4 credits from the following:

| Item # | Title | Credits |
|----------|---------------------|---------|
| MATH 129 | Precalculus Algebra | 3 |
| MATH 231 | Calculus I | 4 |

Take 4 credits from one of the following lecture and lab combinations:

| Item # | Title | Credits |
|----------|------------------------------------|---------|
| CHEM 377 | Environmental Chemistry | 3 |
| CHEM 377 | Environmental Chemistry Laboratory | 1 |
| BIOL 343 | Environmental Biology | 3 |
| BIOL 343 | Environmental Biology Laboratory | 1 |

Take 4 or 5 credits from the following lecture and lab combinations:

| Item # | Title | Credits |
|----------|----------------------------------|---------|
| PHYS 110 | Foundation of Physics | 3 |
| PHYS 110 | Foundation of Physics Laboratory | 1 |
| PHYS 211 | General Physics I | 4 |
| PHYS 211 | General Physics Laboratory | 1 |
| PHYS 231 | Engineering Physics I | 4 |
| GSCI 115 | Physical Science Laboratory | 1 |
| GSCI 115 | Physical Science | 3 |
| PHYS 231 | Engineering Physics Laboratory I | 1 |

Take 4 credits from the following lecture and lab combinations:

| Item # | Title | Credits |
|---------------|--------------------------|----------------|
| GSCI 113 | Earth Science | 3 |
| GSCI 113 | Earth Science Laboratory | 1 |
| GSCI 111 | Geology | 3 |
| GSCI 111 | Geology Laboratory | 1 |
| GSCI 112 | Meteorology | 3 |
| GSCI 112 | Meteorology Laboratory | 1 |

Professional Education Requirements

Professional Education Requirements

* See the Secondary Education Major in the Education Department for a list of requirements.

Total credits:

89-91