

This guide lists the BC3 courses in the right column that fulfill the Clarion University requirements in the left column. To transfer courses, you will need a grade of "C" or higher. The biology B.S. degree requires a minimum of 120 credit hours and a 2.0 QPA for degree completion.

## CLARION REQUIREMENTS

### General Education Requirements (48 credits)

See General Education Transfer Guide for requirements.

### Mathematics Proficiencies

*Credits may apply in general education:*

- Statistics (one course)
- Calculus (one course)

### Biology Major (62 credits)

*Complete eight courses in:*

- |              |                                  |
|--------------|----------------------------------|
| BIOL 155/165 | Principles of Biology I and Lab  |
| BIOL 156/166 | Principles of Biology II and Lab |
| BIOL 201     | Genetics                         |
| BIOL 202     | Principles of Ecology            |
| BIOL 203     | Cell Biology                     |
| BIOL 382     | Evolution                        |

### Biology Electives

*Complete five courses (minimum 15 hours credit):*

- |  |                 |
|--|-----------------|
| BIOL 300-499 (excluding BIOL 310, 453, 454, 499) |                 |
| CHEM 453   | Biochemistry    |
| CHEM 454   | Biochemistry II |

### Required Supplemental Courses

A total of nine credits from this list may count under general education physical and biological sciences.

*Complete the following:*

- |              |                              |
|--------------|------------------------------|
| CHEM 153/163 | General Chemistry I and Lab  |
| CHEM 154/164 | General Chemistry II and Lab |
| CHEM 251/261 | Organic Chemistry I and Lab  |
| CHEM 252/262 | Organic Chemistry II and Lab |
| PH 251       | General Physics I            |
| PH 252       | General Physics II           |
| Elective     | Chemistry Elective           |

### Residency Requirement

A minimum of 30 of the last 45 credits must be taken through Clarion University with at least 50 percent of major credits taken through Clarion.

## BC3 EQUIVALENT COURSES

- MATH 107
- MATH 221

- BIOL 120
- BIOL 121
- BIOL 209
- BIOL 207
- No BC3 equivalent
- No BC3 equivalent

- BIOL 201, 203, 205
- No BC3 equivalent
- No BC3 equivalent

- CHEM 101
- CHEM 102
- CHEM 221
- CHEM 222
- PHYS 101
- PHYS 102
- CHEM 230, 231