

This guide lists the CCAC 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 Proficiency

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
CHEM	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.

EFFECTIVE FALL 2009

Clarion University is an affirmative action equal opportunity employer. 7/09

CCAC EQUIVALENT COURSES

MAT 161, 165, 166
MAT 201, 241

BIO 151
BIO 152
BIO 207
BIO 203
BIO 216
No CCAC equivalent

BIO 201, 202, 206, 211
No CCAC equivalent
No CCAC equivalent

CHM 151
CHM 152
CHM 201
CHM 202
PHY 141
PHY 142
CHM 211, 212

