

BIOLOGY, B.S.

Recommended for premedical, predental, and other health preprofessional students.

Code	Title	Credits
General Education Requirement		
VSJ 100	Vincentian Social Justice	3
Foundation Courses (http://catalog.niagara.edu/undergraduate/curriculum/foundation-courses/)		27
Distribution Courses (http://catalog.niagara.edu/undergraduate/curriculum/general-education-distribution-courses/)		33
Major Requirement		
BIO 121 & BIO 123L	General Biology I and Gen Biology Lab I	4
BIO 122 & BIO 124L	General Biology II and Gen Biology Lab II	4
3 200-level Biology electives with lab		12
BIO 334	Cell Biology	4
300/400-level BIO elective with lab		4
300/400-level BIO elective with lab or BIO 403		4
300/400-level BIO elective with lab or BIO 404		
2 200/300/400-level BIO elective (lab optional)		6
BIO 401 & BIO 402	Biology Seminar and Biology Seminar	4
CHE 111 & CHE 113L	General Chemistry I and General Chemistry Laboratory I	4
CHE 112 & CHE 114L	General Chemistry II and General Chemistry Laboratory II	4
PHY 121 & PHY 123L	General Physics and General Physics	4
MAT 111	Calculus I (AS designation)	4
CIS 232	Computer Applications for Business I (AS designation)	3
5 Advised electives		15
Total Credits		139

Preprofessional students such as premedical¹, predental and veterinary should take the following to meet the entrance requirements for most professional schools:

Code	Title	Credits
Entrance Requirements		
MAT 111 & MAT 112	Calculus I and Calculus II ²	8
CHE 111 & CHE 112	General Chemistry I and General Chemistry II	6
CHE 221 & CHE 222	Organic Chemistry I and Organic Chemistry II ²	6
PHY 121 & PHY 122	General Physics and General Physics ²	6

¹ Premedical students ordinarily major in biology, chemistry or biochemistry.

² MAT 112 Calculus II, CHE 221 Organic Chemistry I-CHE 222 Organic Chemistry II, and PHY 122 General Physics should be taken as advised electives or as electives in the distribution courses.