
BIOLOGY (AOC)

PROGRAM OVERVIEW

Donna Brunelli, *Chair Science Division*
 dbrunelli@allegany.edu
 Science 66
 301-784-5246

This transfer pattern is designed for students planning to transfer to a four-year degree program with a major in biology or in a pre-professional area such as pre-medicine, pre-pharmacy, pre-veterinary medicine or pre-dentistry. The transfer pattern provides all the basic science, mathematics, and general studies transfer courses that are required during the first two years of a general four-year program. The general studies listed below should be coordinated with transfer requirements at the four-year institution and adjusted accordingly, when necessary.

This is a transfer program and is designed to enable students to transfer to a four-year college or university. Check with your advisor and the Student Success Center as soon as possible to ensure specific course transferability.

Successful completion of this program qualifies a student to apply for an Associate of Science degree in Arts and Sciences - Area of Concentration in Biology.

COURSE REQUIREMENTS

REQUIRED SCIENCE COURSES

BIO-101	General Biology I
BIO-102	General Biology II
BIO-103 or	General Botany or
BIO-204 or	Microbiology or
BIO-206	Biotechnology (Medical Laboratory Technology 206)
CHEM-101	General Chemistry I
CHEM-102	General Chemistry II
CHEM-203 or	Organic Chemistry I or
PHYS-101	Introductory Physics I
CHEM-204 or	Organic Chemistry II or
PHYS-102	Introductory Physics II

REQUIRED GENERAL COURSES

ENG-101	Freshman English I
ENG-103 or	Introduction to Literature <i>or</i> Arts and Humanities Elective
Arts and Humanities Elective	
MATH-109	Probability and Statistics
MATH-119 or	Pre-Calculus I or
MATH-201	Calculus I
PSYC-101 or	General Psychology <i>or</i> Social and Behavioral Science Elective
Social and Behavioral Science Elective	
*ENG-103 or Arts and Humanities Elective - Depends on transfer institution. Consult advisor.	

REQUIRED ELECTIVE COURSES

Please consult with your advisor or the Advising Center staff for selecting appropriate elective courses for graduation.

Arts and Humanities Elective - 3 credits

Elective - 2 credits

Laboratory Science Elective - 4 credits

Social and Behavioral Science Elective - 3 credits

PROGRAM PATH

BIOLOGY

AREA OF CONCENTRATION

PREPARATION FOR TRANSFER

FIRST SEMESTER

	<u>Credit Hours</u>
Biological Science 101 (General Biology I)	4
Chemistry 101 (General Chemistry I)	4
English 101 (Freshman English I)	3
Mathematics 119* or 201 (Pre-Calculus I or Calculus I)	4
Total:	15

SECOND SEMESTER

Biological Science 102 (General Biology II)	4
Chemistry 102 (General Chemistry II)	4
English 103* (Introduction to Literature) or Arts and Humanities Elective ¹	3
Mathematics 109 (Probability and Statistics)	3
Total:	14

THIRD SEMESTER

Select 2 of the following Biological Sciences:

Biological Science 103, 204, or 206 (General Botany, Microbiology, or Biotechnology)	8
Chemistry 203 or Physics 101 (Organic Chemistry I or Introductory Physics I)	4
Psychology 101 (General Psychology) or Social and Behavioral Science Elective ²	3
Total:	15

FOURTH SEMESTER

Arts and Humanities Elective ¹	3
Chemistry 204 or Physics 102 (Organic Chemistry II or Introductory Physics II)	4
Elective	2
Laboratory Science Elective	4
Social and Behavioral Science Elective ²	3
Total:	16
Total Credit Hours:	60

* Depends on transfer institution. Consult advisor.

¹ Arts and Humanities elective must be from two different disciplines.

² Social and Behavioral Science elective must be from two different disciplines.

NOTE: All courses specifically identified by course number are graduation requirements for this program.