

Associate in Science

CIP Code 24.0101

Liberal Arts and Science: Biology Option

BIO.AS

FIRST YEAR/FIRST SEMESTER			
Course #	Course Name	Credits	Notes
ENG-101	English Composition I	3	Must test into ENG-101 or complete all appropriate prerequisites
BIO-111	Biology I – Science	4	
CHM-111	Chemistry I – Science	4	Prerequisite: CHM-010 and MTH-124 or MTH-125
MTH-140	Calculus I	4	Must test into MTH-140 or take all appropriate prerequisites
FIRST YEAR/SECOND SEMESTER			
ENG-102	English Composition II	3	Prerequisite: ENG-101
BIO-112	Biology II – Science	4	
CHM-112	Chemistry II - Science	4	Prerequisite: CHM-111
MTH-150	Calculus II		Prerequisites MTH-150: MTH-140;
or MTH-134	Biostatistics	4	Prerequisites MTH-134: MTH-140, BIO-111 and ENG-101
SECOND YEAR/FIRST SEMESTER			
PHY-101	Physics I		Prerequisites PHY-101: MTH-100; Co-requisites PHY-101: MTH-124 or MTH-125;
or PHY-201	Physics III	4	Prerequisites for PHY-201: MTH-140
BIO-2....	200 Level Biology Laboratory Science Course	4	Students who have taken PHY-101 or PHY-102 cannot use PHY-201 or PHY-202 to fulfill the 200 level laboratory Science General Education Electives.
2....	200 Level Laboratory Science General Education Elective	4	
ELECTIVE	Humanities General Education Elective	3	Students should choose electives based on requirements of the transfer institution.
SECOND YEAR/SECOND SEMESTER			
PHY-102	Physics II		Students who have taken PHY-101 or PHY-102 cannot use PHY-201 or PHY-202 to fulfill the 200 level laboratory Science General Education Electives.
or PHY-202	Physics IV	4	
BIO-255	Research Experience in Biology	4	Prerequisite: Minimum of 30 completed credits; 12 credits in BIO, 8 credits in MTH or SCI and a minimum GPA of 2.5
HIS-101	World Civilization I	3	
ELECTIVE	Social Science General Education Elective	3	
HPE....	Health & Exercise Science Elective	1	
TOTAL CREDITS		60	

PROGRAM DESCRIPTION

This transfer program is designed for students who have a strong interest in biology and who plan to major in biology at a four-year college or university.

PROGRAM STUDENT LEARNING OUTCOMES

- At the end of the program, the graduate will be able to:
1. Explain the Principle of Evolution as the major unifying theme of Biology.
 2. Explain cellular structure and physiology.
 3. Explain the basic principles of Molecular Biology and Genetics.
 4. Apply the scientific method to conduct experiments and analyze data.
 5. Identify and differentiate cells and tissues using a microscope.
 6. Utilize primary and secondary sources in the scientific literature to obtain biological information.

CONTACT PERSON

Professor Rita Connolly, Chair
 (856) 227-7200, ext. 4462, or 4467
 email: rconnolly@camdencc.edu