

## PRE-MAJOR BIOLOGY AND BIOLOGY EDUCATION (A1040A)

This program prepares the student to transfer courses or the degree in its entirety to a four-year senior institution. This Associate in Science program is specifically designed for students who wish to earn a baccalaureate degree in Biology and/or Biology Education.

General Education Core (46 SHC)\* Forty-six semester hours of credit in general education core courses are required as outlined on the NCCCS Curriculum Standards for Associate in Science degree programs. The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition.

**\*Students who complete the 44-hour general education core are eligible to receive the GENERAL EDUCATION DIPLOMA IN SCIENCE (D10400).**

### ENGLISH COMPOSITION (6 SHC)

*Two English composition courses are required:*

- English 111, Expository Writing (3 SHC), is required as the first composition course.
- The second composition course must be selected from the following:
  - ENG 112 Argument-Based Research (3 SHC)
  - ENG 113 Literature-Based Research (3 SHC)
  - ENG 114 Professional Research and Reporting (3 SHC)

### HUMANITIES/FINE ARTS (9 SHC)

*Three courses from three discipline areas are required.*

- One course must be a literature course.
    - ENG 231, 232, 241, 242, 261, 262
  - One course must be a fine arts course (ART, DRA, or MUS).
  - One additional general education core course from the following discipline areas is required: art, communication, drama, foreign languages, interdisciplinary humanities, music, philosophy, and religion.
    - ART 111, 114, 115
    - COM 110, 120, 231 (3 hours only)
    - DRA 111, 112, 211, 212
    - FRE 111, 112, 211, 212
    - HUM 130, 160, 211, 212
    - MUS 110, 210, 213
    - PHI 215
    - REL 112, 211, 212, 221
    - SPA 111, 112, 211, 212
- A foreign language course is recommended.*

## **SOCIAL/BEHAVIORAL SCIENCES (9 SHC)**

*Three courses from three discipline areas are required.*

- One course must be a history course.  
HIS 115, 121, 122, 131, 132
- Two additional general education courses from the following discipline areas are required: anthropology, economics, geography, political science, psychology, and sociology.

ANT 210

ECO 151, 251, 252

GEO 111, 112, 130

POL 110, 120, 210, 220

PSY 150, 241, 281

SOC 210, 213, 220, 225, 240

## **NATURAL SCIENCES/MATHEMATICS (22-24SHC)**

*Natural Sciences (16 SHC):*

- The following courses are required:  
BIO 111            General Biology I (4 SHC)  
CHM 151           General Chemistry I (4 SHC)  
CHM 152           General Chemistry II (4 SHC)  
***Credit will not be awarded for both BIO 110 and BIO 111***  
***Credit will not be awarded for both CHM 131/131A and CHM 151***
- One of the following courses is required.  
BIO 112, 120, 130

*Mathematics (6-8 SHC):*

- Two of the following courses are required:  
MAT 151, 171, 172, 175, 263, 271, 272, 273  
***Credit will not be awarded for both MAT 263 and MAT 271 or for both MAT 172 and MAT 175.***  
***Credit will not be awarded for both BIO 110 and BIO 112***  
***Note: Additional lab courses may be required for math classes taken at Coastal Carolina Community College.***

## **OTHER REQUIRED HOURS (17-19 SHC)**

- The following courses are required: (5-6 SHC)  
ACA 111            College Student Success (1 SHC)  
CIS 110            Introduction to Computers (3 SHC) **or**  
CIS 115            Introduction to Programming and Logic (3 SHC)  
PED 110            Fit and Well for Life (2 SHC) **or**  
PED 111            Physical Fitness I (1 SHC)

- 11 additional hours of approved college transfer credit in mathematics, natural sciences, or computer science are required.  
**Credit will not be awarded for both BIO 175 and BIO 275**
- 0-3 additional hours of approved college transfer credit are needed to complete the required sixty-five semester hours credit.

**TOTAL SEMESTER HOURS CREDIT (SHC) IN PROGRAM: 65**

*Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.*

**APPLICATION TO A UNIVERSITY**

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree as listed at [www.northcarolina.edu/content.php/aa/planning/traditional.htm](http://www.northcarolina.edu/content.php/aa/planning/traditional.htm). Students are encouraged to contact the senior institution to confirm degree offerings.

**ADMISSION TO THE MAJOR**

Grade point average requirements vary and admission is competitive across the several programs in Biology and Biology Education. Admission to teacher licensure programs requires satisfactory scores on PRAXIS I and II.