

CAA students earning an AS degree

BA, Biology, 208A
 Appalachian State University
 College of Arts & Sciences
[Department of Biology](#)
[Program of Study](#)
 2014-2015

Part I: Complete the AS degree within the NCCCS as outlined.

Universal General Education Transfer Component (UGETC)

English Composition (6 SCH)		The following two English composition courses are required.						
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes	
ENG 111	Expository Writing	3	None	ENG 1000	3	Required		
ENG 112	Argument-Based Research	3	ENG 111	ENG 2001	3	Required		
Total Credit Hours Required		6			6			

Humanities/Fine Arts (6 SCH)		Students will select two courses from at least two different disciplines:						
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes	
ART 111	Art Appreciation	3	None	ART 2011	3			
ART 114	Art History Survey I	3	None	ART 2030	3			
ART 115	Art History Survey II	3	None	ART 2130	3			
COM 231	Public Speaking	3	None	COM 2101	3			
ENG 231	American Literature I	3	ENG 112, 113 or 114	ENG 2350	3			
ENG 232	American Literature II	3	ENG 112, 113 or 114	ENG 2350	3			
MUS 110	Music Appreciation	3	None	MUS 2011	3			
MUS 112	Introduction to Jazz	3	None	MUS 2014	3			
PHI 215	Philosophical Issues	3	ENG 111	PHL Elective	3			
PHI 240	Introduction to Ethics	3	ENG 111	PHL 2000	3			
Total Credit Hours Required		6			9			

Social /Behavioral Science (6 SCH)		Students will select two courses from at least two different disciplines:						
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes	
ECO 251	Principles of Microeconomics	3	None	ECO 2030	3			
ECO 252	Principles of Macroeconomics	3	None	ECO 2040	3			
HIS 111	World Civilizations I	3	None	HIS 1110	3			
HIS 112	World Civilizations II	3	None	HIS 1130	3			
HIS 131	American History I	3	None	HIS 1200	3			
HIS 132	American History II	3	None	HIS 1200	3			
PSY 150	General Psychology	3	None	PSY 1200	3			
POL 120	American Government	3	None	P S 1100	3			
SOC 210	Introduction to Sociology	3	None	SOC 1000	3			
Total Credit Hours Required		6			6			

Mathematics (8 SCH)		Students will select two courses from the following:						
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes	
MAT 171	Precalculus Algebra	4	None	MAT 1020	4			
MAT 172	Precalculus Trigonometry	4	MAT 171	GEP MAT	4			
MATH 263	Brief Calculus	4	MAT 171	MAT 1030	4			
MATH 271	Calculus I	4	MAT 172	MAT 1110	4	Required		
Total Credit Hours Required		8			8			

Natural Sciences (8 SCH)								Students will select 8 SCH from the following courses:							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes								
AST 151/151A	General Astronomy I and lab I	4	None	AST 1001	4										
BIO 110	Principles of Biology	4	None	BIO 1101	4										
BIO 111	General Biology I	4	None	BIO 1801	4	Required	See Notes								
BIO 112	General Biology II	4	BIO 111	BIO 1802	4	Required	See Notes								
CHM 151	General Chemistry I	4	None	CHE 1101 CHE 1110	4	Required	See Notes								
CHM 152	General Chemistry II	4	CHM 151	CHE 1102 CHE 1120	4	Required	See Notes								
GEL 111	Introduction Geology	4	None	GLY 1101	4										
PHY 110/110A	Conceptual Physics and Lab	4	None	PHY 1100	4										
PHY 151	College Physics I	4	MAT 171	PHY 1103	4	8 hours or Physics or Geography courses are required for this major.	See Notes								
PHY 152	College Physics II	4	PHY 151	PHY 1104	4										
PHY 251	General Physics I	4	MAT 271	PHY 1150	4										
PHY 252	General Physics II	4	MAT 272 <u>and</u> PHY 251	PHY 1151	4										
Total Credit Hours Required		8			8										

Total UGETC Hours **34** **34**

Additional General Education Courses (11-12 SHC) : These courses must be classified as UGETC or general education within the CAA.

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
CHM 251	Organic Chemistry I	4	CHM 152	CHE 2201 & 2203	4	GEC	Required by major
FL 111	Elementary Foreign Language I	3		FL 1010	3	GEC	FL required for BA degree; see notes
	BIO/PHY course not previously taken	4			4	GEC	See Notes
	BIO/PHY course not previously taken	4			4	GEC	See Notes
Total Credit Hours Required		15			15		

Total General Education Hours Required **49** **49**

Other REQUIRED HOURS (14-15 SHC): These courses must be classified as pre-major, elective or general education within the CAA.

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
ACA 122	College Transfer Success	1	None		1	GEC	required by CAA
CHM 252	Organic Chemistry II	4	CHM 251	CHE 2202 & 2204	4	Pre-Major	Required by major
FL 112	Elementary Foreign Language II	3	FL 111	FL 1020	3	Pre-Major	FL required for BA degree; see notes
	BIO/PHY course not previously taken	4			4	Pre-Major	See Notes
	BIO/PHY course not previously taken	4			4	Pre-Major	See Notes

Other Required Hours (15-16 SCH) **16** **16**

Total Semester Credit Hours in Program: 65 **65**

Notes:

- Natural Sciences
- It is suggested that students complete the Chemistry in the first two semesters so to have the needed prerequisites for CHM 251 & 252 in semesters 3 and 4.
 - This degree requires a minimum of 8 hours of Physics or Geography. The following community college courses can be taken to fulfill this requirements:
 - GEO 111, 112, 130, 131 132
 - PHY 151, 152, 251, 252
- Foreign Language
- Students must take a foreign language placement test to determine starting course for foreign language.
 - Students can take elementary foreign language courses at their community college to prepare of the foreign language placement test.

3th -4th Year Plan BA, Biology

Semester	Course	Hours	Notes	
5	BIO 2400 or 2700	3	Major Requirement	15-16
5	BIO 2012	3	Major Requirement	
5	BIO Evolution or Ecology Course	3-4	Area B or D on Program of Study	
5	Minor Course 1	3	Major Requirement	
5	Foreign Language 1040	3	Major Requirement	
6	BIO Cellular/Subcellular Course	3-4	Area B, section III. C	15-17
6	BIO Anatomy & Physiology Course	3-4	Area C, section III. C	
6	Minor Course 2	3	Major Requirement	
6	Minor Course 3	3	Major Requirement	
6	Foreign Language 1050	3	Major Requirement	
7	BIO Biodiversity Course	3-4	Area D, section III. C	15-17
7	Additional Course from Area III. C.	3-4	Area III. C	
7	Physics or Geography Course	3	If taken at CC, take Free Elective	
7	Minor Course 4	3	Major Requirement	
7	Minor Course 5	3	Major Requirement	
8	BIO 4501 or 4700 or 4910	3	CAPSTONE	15
8	Additional Course from Area III. C.	3	Major Requirement	
8	Minor Course 6	3	If needed for 18 hours minor, otherwise take Free Electives	
8	Minor Course 7	3	If needed for 21 hours minor, otherwise take Free Electives	
8	Free Electives	3	Take enough Electives to reach 122 hours for degree	
				60-63
				65 transfer hours
				128 hours for graduation

Notes:

- No more than 46 hours in BIO may be counted towards the degree.
- A minor outside Biology is required for this degree.
- Due to course sequencing and availability, students may require 2.5 years to complete this degree.

Residency Requirements:

- 31 hours must be taken at Appalachian.
- 18 hours in the major must be from Appalachian.
- 9 hours in the minor must be from Appalachian.
- 50 hours must be from a four-year institution.