

**CAA students earning an AS degree**

BS, Biology: Secondary Education, 142D

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 <u>two</u> 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	
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		
Humanities/Fine Arts (6 SCH)			Students will select <u>two</u> 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		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>9</b>		
Social /Behavioral Science (6 SCH)			Students will select <u>two</u> 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		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		
Mathematics (8 SCH)			Students will select <u>two</u> 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	
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

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	must take both BIO 111 and BIO 112
BIO 112	General Biology II	4	BIO 111	BIO 1802	4	Required	must take both BIO 111 and BIO 112
CHM 151	General Chemistry I	4	None	CHE 1101 CHE 1110	4	Required	must take both CHM 151 and CHM 152
CHM 152	General Chemistry II	4	CHM 151	CHE 1102 CHE 1120	4	Required	must take both CHM 151 and CHM 152
GEL 111	Introduction Geology	4	None	GLY 1101	4	Required	
PHY 110/110A	Conceptual Physics and Lab	4	None	PHY 1100	4		must take course with lab
PHY 151	College Physics I	4	MAT 171	PHY 1103	4	Required	must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 1104	4	Required	must take PHY 151 and PHY 152
PHY 251	General Physics I	4	MAT 271	PHY 1150	4		must take PHY 251 and PHY 252
PHY 252	General Physics II	4	MAT 272 <u>and</u> PHY 251	PHY 1151	4		must take PHY 251 and PHY 252
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

**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
BIO/CHM/PHY not taken previously		4			4	GEC	Required by major
BIO/CHM/PHY not taken previously		4			4	GEC	Required by major
GEL 111	Introduction to Geology	4		GLY 1101	4	GEC	Required by major
UGETC/GEC		3			3	UGETC/GEC	
<b>Total Credit Hours Required</b>		<b>15</b>			<b>15</b>		

**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
MAT 152	Statistics	4	None	STT 2810	4	Pre-Major	Required by major
BIO/CHM/PHY not previously taken		4			4	Pre-Major	Required by major
BIO/CHM/PHY not previously taken		4			4	Pre-Major	Required by Major

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

13

13

**Total Semester Credit Hours in Program: 62**

**62**

**3th -4th Year Plan: BS, Biology: Secondary Education**

Semester	Course	Hours	Notes		
5	FDN 2400	2	Required prior to admission to College of Education		
5	CI 2300	2	Required prior to admission to College of Education		
5	BIO 2012	3	Major Requirement		
5	BIO 2410	1	Major Requirement		
5	BIO 2400	3	Major Requirement		
5	PSY 3010	3	Major Requirement	14	
SU 1	Free Elective	3			
SU 2	Free Elective	3		6	
6	BIO 3312	3	Major Requirement		
6	BIO 3301 or BIO 4555	4	Major Requirement		
6	BIO 3521	1	Major Requirement		
6	CHE 2101 & 2102	3	Major Requirement		
6	SPE 3300	3	Requires admission to teacher education		
6	GS 4403	3	Major Requirement	17	
SU 1	Free Elective	3			
SU 2	Free Elective	3		6	
7	Section B Biodiversity Course	3-4	Major Requirement		
7	CI 3400	2	Requires admission to teacher education		
7	BIO 3800	3	Major Requirement		
7	GS 4404	3	Offered Fall semester only		
7	Free Electives	2	Take enough Free Elective to reach 128 hours required	13-14	
8	CI 4900 Student Teaching	12	CAPSTONE	12	
				68-69	
				62	transfer hours
				128	hours for graduation

**Notes:**

- Reading, Speech, & English proficiencies required.
- Admission to Teacher Education is required. To be admitted to the Teacher Education program students must take and satisfy testing requirements for Reading, Writing, and Math areas of the PRAXIS (PPST or CBT).
- Licensure requires a cumulative 2.5 GPA

Residency Requirements:

- 31 hours must be from 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