

Appalachian State University

College of Arts & Sciences

[Environmental Science Program](#)[Programs of Study](#)

2017-2018

DUE TO COURSE SEQUENCING AND REQUIREMENTS, IT IS STRONGLY RECOMMENDED THAT STUDENTS COMPLETE 30 UGETC HOURS AND SCIENCE COURSEWORK AND THEN TRANSFER.**Universal General Education Transfer Component (UGETC)****English Composition (6 SCH): Complete BOTH English courses**

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
ENG 111	Expository Writing	3	None	RC 1000	3	Required	
ENG 112	Argument-Based Research	3	ENG 111	RC 2001	3	Required	
Total Credit Hours Required		6			6		

Humanities/Fine Arts (6 SCH): Select 2 classes 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 2105	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		
ENG 241	British Literature I	3	ENG 112, 113 or 114	ENG 2050	3		
ENG 242	British Literature II	3	ENG 112, 113 or 114	ENG 2050	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): Select 2 classes 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 1101	3		
HIS 112	World Civilizations II	3	None	HIS 1102	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): Select 2 courses

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	MAT 1025	4		
MATH 263	Brief Calculus	4	MAT 171	MAT 1030	4		
MATH 271	Calculus I	4	MAT 172	MAT 1110	4	Required	
MAT 272	Calculus II	4	MAT 271	MAT 1120	4	Required	
Total Credit Hours Required		8			8		

Natural Sciences (8 SCH): Select 2 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 1201/BIO 1204	4		
BIO 111	General Biology I	4	None	BIO 1801	4	See Notes	must take both BIO 111 and BIO 112
BIO 112	General Biology II	4	BIO 111	BIO 1802	4	See Notes	must take both BIO 111 and BIO 112
CHM 151	General Chemistry I	4	None	CHE 1101/CHE 1110	4	See Notes - Preferred	must take both CHM 151 and CHM 152
CHM 152	General Chemistry II	4	CHM 151	CHE 1102/CHE 1120	4	See Notes - Preferred	must take both CHM 151 and CHM 152
GEL 111	Introduction Geology	4	None	GLY 1101	4		
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		must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 1104	4		must take PHY 151 and PHY 152
PHY 251	General Physics I	4	MAT 271	PHY 1150	4	See Notes	must take PHY 251 and PHY 252
PHY 252	General Physics II	4	MAT 272 and PHY 251	PHY 1151	4	See Notes	must take PHY 251 and PHY 252

Total Credit Hours Required

8

8

Total UGETC Hours

34

34

Additional General Education Courses (13-14 SHC)

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
BIO 111	General Biology I	4		BIO 1801	4	UGETC	Required for major
PHY 251	General Physics I	4		PHY 1150	4	UGETC	Required for major
GEL 111	Introduction to Geology	4		GLY 1101/1104	4	UGETC	Required for major
Total Credit Hours Required		12			12		

Total General Education Hours Required

46

46

Other REQUIRED HOURS (15-16 SHC)

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
BIO 112	General Biology II	4	BIO 112	BIO 1802	4	UGETC	Required for major
PHY 251	General Physics I	4	PHY 251	PHY 1151	4	UGETC	Required for major
Pre-Major/GEC/Elective		3			3	Pre-Major/GEC/Elective	
Pre-Major/GEC/Elective		3			3	Pre-Major/GEC/Elective	

Other Required Hours (15-16 SCH)

15

15

Total Semester Credit Hours in Program: 61

- This degree requires science sequences in Biology, Chemistry, Geology, and Physics. **It is preferred that the Chemistry sequence be complete prior to transfer.**
- Students should plan to complete one sequence at their community college, depending on course availability.

3rd - 4th Year Plan: BS, Environmental Science, Professional Concentration

Semester	Course	Hours	Notes	
SU 1	CHE 2101 & 2102 OR CHE 2201 & 2203	4	See Program of Study	4
5	ENV 1010 Intro to Environmental Science & Engineering	3	See Program of Study	
5	ENV 3100 Issues in Environmental Science	1	See Program of Study	
5	GLY 2250 Evolution of the Earth	4	Major Requirement	
5	Concentration Course 1	4	See Program of Study	12
6	BIO 3302 Ecology	4	Major Requirement	
6	ENV 3100 Issues in Environmental Science	1	Writing in the Discipline	
6	Concentration Course 2	4	See Program of Study	
6	Science Electives	3	Major Requirement	
6	Free Elective	3		15
7	GHY 3812 Introduction to GIS	3	Requires prerequisite; see department	
7	STT 3850 Statistical Data Analysis	4	Major Requirement	
7	CHE 2550 or GLY 3131	3	Major Requirement	
7	PHY/GLY 3160	3	Major Requirement	
7	GLY 4630 Hydrogeology	3	See Program of Study	16
8	ENV 4110 Environmental Management & Impact Analysis	3	CAPSTONE	
8	PLN 4460 Environmental Policy & Planning	3	Major Requirement	
8	Concentration course 3	4	See Program of Study	
8	Concentration course 4	4	See Program of Study	
8	Free Elective	1	Take enough Free Electives to reach 123 hours	15
				62
				62 transfer hours
				123 hours for graduation

- Study Abroad: Please see program director
- Summer courses: Please refer to the appropriate departmental policy for courses
- THIS 4 YEAR PLAN IS AN EXAMPLE AND SHOULD BE MODIFIED DURING STUDENT ADVISING. PLEASE SEE ENVIRONMENT.APPSTATE.EDU FOR OTHER EXAMPLE 4-YEAR PLANS.**
- Residency Requirements:
 - 31 hours must be from ASU
 - 18 hours in the major must be from ASU
 - 9 hours in the minor must be from ASU
 - Final 30 hours must be courses taken through ASU (includes internships, study abroad taken through ASU)