

### 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		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>			
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			
<b>Total Credit Hours Required</b>		<b>6</b>			<b>9</b>			
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			
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>			
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 1035	4			
MATH 271	Calculus I	4	MAT 172	MAT 1110	4	Required		
MAT 272	Calculus II	4	MAT 271	MAT 1120	4			
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>			
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 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>			
<b>Total UGETC Hours</b>		<b>34</b>			<b>34</b>			

Additional General Education Courses (13-14 SHC)							
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	UGETC	Required by major
Mat 152	Statistics	4		STT 2820	4	UGETC	Required by major
<b>Total Credit Hours Required</b>		16			16		
<b>Total General Education Hours Required</b>		50			50		

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/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
Pre-Major/GEC/Elective		3			3	Pre-Major/GEC/Elective	
<b>Other Required Hours (15-16 SCH)</b>		12			12		

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

**Notes:**  
**BIO 250, Genetics:** Depending on course availability, this course could be taken to transfer as BIO 2400; however, this course will need to be petitioned for credit. Students are encouraged to contact the [Office of Transfer Services](#), prior to registration, to investigate class transferability.

3th -4th Year Plan: BS, Biology: Secondary Education				
Semester	Course	Hours	Notes	
5	FDN 2400 Critical Perspectives on Learning & Teaching	2	Required prior to admission to College of Education	14
5	CI 2300 Teaching & Learning in the Digital Age	2	Required prior to admission to College of Education	
5	BIO 2012 Intro to Evolutionary Biology	3	Major Requirement	
5	BIO 2400 Genetics	1	Major Requirement	
5	BIO 2410 Genetics Lab	3	Major Requirement	
5	PSY 3010 Psychology Applied to Teaching	3	Major Requirement	
Complete Teacher Education Admission application (Minimum 2.7 cumulative GPA required)				
6	BIO 3312 Environmental Studies	3	Major Requirement	
6	BIO 3301 or BIO 4555	4	Major Requirement	
6	BIO 3521 Secondary Science Field Experience	1	Major Requirement	
6	CHE 2101 & 2102 Fundamentals of Organic Chemistry & Lab	3	Major Requirement	17
6	SPE 3300 Creating Inclusive Learning Communities	3	Requires admission to teacher education	
6	GS 4403 Teaching Science in Middle & High Schools	3	Major Requirement	
SU 1	Free Elective	6		12
SU 2	Free Elective	6		
7	Section B Biodiversity Course	3-4	Major Requirement	13-14
7	CI 3400 Policies & Practices in Educational Assessment	2	Requires admission to teacher education	
7	BIO 3800 Molecular Biology	3	Major Requirement	
7	GS 4404 The Meaning & Nature of Science	3	Offered Fall semester only	
7	Free Electives	2	Take enough Free Elective to reach 128 hours required	
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 have a minimum 2.7 cumulative GPA and take & satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT).
- Graduation & licensure requires a cumulative 2.7 GPA.

**Residency Requirements:**

- 32 hours must be from Appalachian
- 18 hours in the major must be from Appalachian
- 9 hours in the minor must be from Appalachian
- Final 30 hours must be taken at ASU