

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 111, 112, OR 114	ENG 2350	3		
ENG 232	American Literature II	3	ENG 111, 112, OR 114	ENG 2350	3		
ENG 241	British Literature I	3	ENG 111, 112, OR 114	ENG 2050	3		
ENG 242	British Literature II	3	ENG 111, 112, 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			6		
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	PLS 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 1035	4		
MATH 271	Calculus I	4	MAT 172	MAT 1110	4	Required	Required Cognate Course - See Program of Study
MAT 272	Calculus II	4	MAT 271	MAT 1120	4		
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		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	Required	Required Cognate Course - See Program of Study
BIO 112	General Biology II	4	BIO 111	BIO 1802	4	Required	Required Cognate Course - See Program of Study
CHM 151	General Chemistry I	4	None	CHE 1101 & CHE 1110	4	Required	Required Cognate Course - See Program of Study
CHM 152	General Chemistry II	4	CHM 151	CHE 1102 & CHE 1120	4	Required	Required Cognate Course - See Program of Study
GEL 111	Introduction to 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	Required	Required Cognate Course - See Program of Study
PHY 152	College Physics II	4	PHY 151	PHY 1104	4	Required	Required Cognate Course - See Program of Study
PHY 251	General Physics I	4	MAT 271	PHY 1150	4		
PHY 252	General Physics II	4	MAT 272 and PHY 251	PHY 1151	4		
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/CHM/PHY not taken previously		4			4	UGETC/GEC	Required Cognate Course - See Program of Study
BIO/CHM/PHY not taken previously		4			4	UGETC/GEC	Required Cognate Course - See Program of Study
ACA 122	Colejge Transfer Succes	1			1	GEC	required by CAA
UGETC/GEC		3			3	UGETC/GEC	
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
MAT 152	Statistical Methods I	4	None	STT 2820	4	Pre-Major	Required Cognate Course - See Program of Study
BIO/CHM/PHY not taken previously		4			4	Pre-Major	Required Cognate Course - See Program of Study
BIO/CHM/PHY not taken previously		4			4	Pre-Major	Required Cognate Course - See Program of Study
Pre-Major/Elective		3			3	Elective	

Other Required Hours (15-16 SCH) 15 15

Total Semester Credit Hours in Program: 61 61

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.

BIO 265, Cell Biology: Depending on course availability, this course could be taken to transfer as BIO 2600 & 2610 (lecture and lab). Refer to the Program of Study for more information on concentration requirements.

3th -4th Year Plan BS, Biology, Cell/Molecular Biology				
Semester	Course	Hours	Notes	
5	BIO 2400 or BIO 2700 Genetics	3	Major Requirement	14
5	CHE 2201 & 2203 Organic Chemistry I & Lab	4	Major Requirement	
5	BIO 2012 Intro to Evolutionary Biology	3	Major Requirement	
5	BIO 2600 Cell Biology	3	Major Requirement	
5	BIO 2410 or 2610 Lab	1	Major Requirement	
6	CHE 2202 & 2204 Organic Chemistry II & Lab	4	Major Requirement	17-19
6	BIO 3301 or 3314 or 4555	4	Major Requirement	
6	BIO Cell/Subcell or Ant & Phys Elective	3-4	See Program of Study	
6	BIO Evol/Ecology or Biodiversity Elective	3-4	See Program of Study	16-18
6	Free Elective	3		
7	CHE 4580 Biochemistry I	3	Major Requirement	
7	BIO Cell/Subcell or Ant & Phys Elective	3-4	See Program of Study	
7	BIO Cell/Subcell or Ant & Phys Elective	3-4	See Program of Study	15-16
7	BIO 3800 Molecular Biology	3	Writing in the Discipline [WID]	
7	Free Elective	3		
8	BIO Cell/Subcell or Ant & Phys Elective	3-4	See Program of Study	67
8	BIO 4501 or 4700 or 4910 or BIO 4519	3	CAPSTONE	
8	Free Elective	3		
8	Free Elective	3	Take enough Free Electives to reach 128 hours required for the degree	
				61 transfer hours
				128 hours for graduation

Notes:

- A minor in chemistry can be completed by adding CHE 4581.
- Due to course sequencing and availability, students may require 2.5 years to complete this degree.

Residency Requirements:

- 32 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 completed at a 4-year university