

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, 114	ENG 2050	3		
ENG 242	British Literature II	3	ENG 112, 113, 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	Required	
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	Required	
MAT 172	Precalculus Trigonometry	4	MAT 171	MAT 1025	4		
MAT 263	Brief Calculus	4	MAT 171	MAT 1035	4		
MAT 271	Calculus I	4	MAT 172	MAT 1110	4		
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	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 1201/BIO 1204	4		must take both BIO 111 and BIO 112
BIO 112	General Biology II	4	BIO 111	BIO 1202/BIO 1205	4		must take both BIO 111 and BIO 112
CHM 151	General Chemistry I	4	None	CHE 1101/1110	4	Required - See Notes	must take both CHM 151 and CHM 152
CHM 152	General Chemistry II	4	CHM 151	CHE 1102/1120	4	Required - See Notes	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	Required - See Notes	must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 1104	4	Required - See Notes	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 and PHY 251	PHY 1151	4		must take PHY 251 and PHY 252
Total Credit Hours Required		8			8		

Total UGETC Hours		34			34		
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Additional General Education Courses (11-12 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 by major

BIO 168	Anatomy & Physiology I	4		E S 2031	4	Elective	Required by major
PHY 151/CHM 151	College Physics I/General Chemistry I	4		PHY 1103/CHE 1101/1110	4	UGETC	Take science sequence not previously taken
Total Credit Hours Required		12			12		

Total General Education Hours Required 46 46

Other REQUIRED HOURS (14-15 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 169	Anatomy & Physiology II	4	BIO 168	E S 2032	4	Pre-Major	Required by major
PHY 152/CHM 152	College Physics II/General Physics II	4	PHY 151/CHM 151	PHY 1104/CHE 1102/1120	4	See Notes	Required by major
NUT 110 OR BIO 155	Nutrition	3		NUT 2202	3	Elective	Required by major
MAT 152	Statistics	4		STT 2820	4	UGETC	Will substitute for ES 2020

Other Required Hours (15-16 SCH) 16 16

Total Semester Credit Hours in Program: 62

3rd - 4th Year Plan: Exercise Science, Clinical Exercise Physiology				
Semester	Course	Hours	Notes	
5	ES 2002 Introduction to Exercise Science	3	Major Requirement	16
5	NUT 2202 Nutrition	3	If taken at community college, take Free Elective	
5	ES 2005 Introduction to Physiological Assessment	3	Major Requirement	
5	ES 2020 Measurement and Evaluation in Exercise Science	3	Major Requirement - STT 2810 or 2820 (MAT 151 or 152) can count	
5	PE Activity Course (1530-1889)	1	Major Requirement	
5	Free Elective	3	Major Requirement	16
6	ES 3002 Exercise Physiology	3	Writing in the Discipline	
6	ES 3550 Introduction to Biomechanics	4	Major Requirement	
6	Interdisciplinary Studies Course	3	Major Requirement	
6	Interdisciplinary Studies Course	3	Major Requirement	
6	Free Elective	3		15
7	ES 4625 Concepts of Clinical Exercise Testing	3	Major Requirement	
7	PE Activity Course (1530-1889)	1	Major Requirement	
7	ES 4620 Cardiovascular Physiology	3	Major Requirement	
7	Interdisciplinary Studies Course	3	Major Requirement	
7	ES 3005 Advanced Physiological Assessment	3	CAPSTONE	15
7	Free Elective	2		
8	ES 3900 Internship	6	Major Requirement	
8	ES 4645 Cardiopulmonary Pathophysiology & Rehabilitation	3	Major Requirement	
8	Interdisciplinary Studies Course	3	Major Requirement	
8	Interdisciplinary Studies Course	3	Major Requirement	15
				62
				62 transfer hours
				124 hours for graduation

Chemistry and Physics sequences are both required for this major.
 Cumulative GPA of 2.5, based on a minimum 12 hours of Appalachian credit, required for major declaration.

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)