

### 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	
MATH 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 1201/BIO 1204	4		
BIO 111	General Biology I	4	None	BIO 1201/BIO 1204	4		
BIO 112	General Biology II	4	BIO 111	BIO 1202/BIO 1205	4		
CHM 151	General Chemistry I	4	None	CHE 1101/CHE 1110	4	Required	
CHM 152	General Chemistry II	4	CHM 151	CHE 1102/CHE 1120	4	Required	
GEL 111	Introduction 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		
PHY 152	College Physics II	4	PHY 151	PHY 1104	4		
PHY 251	General Physics I	4	MAT 271	PHY 1150	4		
PHY 252	General Physics II	4	MAT 272 <i>and</i> PHY 251	PHY 1151	4		
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

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	
PHY 151	College Physics I	4	MAT 171	PHY 1103	4	UGETC	Required for major	
GEL 111	Introduction to Geology	4		GLY 1101	4	UGETC	Required for major	
MAT 152	Statistics	4		STT 2820	4	UGETC	Required for major	
UGETC/GEC		2			2	UGETC/GEC		
<b>Total Credit Hours Required</b>		14			14			
<b>Total General Education Hours Required</b>		48			48			

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	
POL 130	State & Local Government	3		PS 2130	3	GEC	Required for major	
Pre-Major/GEC/Elective		3			3	Pre-Major/GEC/Elective		
Pre-Major/GEC/Elective		3			3	Pre-Major/GEC/Elective		
Pre-Major/GEC/Elective		3			1	Pre-Major/GEC/Elective		
<b>Other Required Hours (15-16 SCH)</b>		13			13			

**Total Semester Credit Hours in Program: 61**

3rd - 4th Year Plan: BS, Geology, Environmental Geology					
Semester	Course	Hours	Notes		
5	GLY 2250 Evolution of the Earth	4	Major Requirement		
5	Associated Environmental Elective 1	3	If POL 130 taken at community college, take Free Elective		
5	Cartography/GIS Elective Course 1	3	Major Requirement		
5	GLY Elective	3	Major Requirement		
5	GLY 3333 Geomorphology	3	Major Requirement		
6	GLY 2745 Preparation of Geologic Reports	4	Writing in the Discipline		
6	GLY 3160 Introduction to Geophysics	3	Major Requirement		
6	GLY 3703 Issues in Environmental Geology	3	Major Requirement		
6	Associated Environmental Elective 2	3	Major Requirement		
6	Associated Environmental Elective 3	3	Major Requirement		
7	GLY 3131 Geochemistry	3	Major Requirement		
7	GLY 3150 Principals of Structural Geography and Tectonics	3	Major Requirement		
7	GLY 3800 Sedimentology and Stratigraphy	3	Major Requirement		
7	Associated Environmental Elective 4	3	Major Requirement		
7	GLY 4630 Hydrogeology	3	Major Requirement		
7	Cartography/GIS Elective Course 2	3	Major Requirement		
8	GLY 4210 Geology Seminar	1	CAPSTONE		
8	GLY 4705 Advanced Environmental and Engineering Geology	3	Major Requirement		
8	Cartography/GIS Elective Course 3	3	Major Requirement		
8	Cartography/GIS Elective Course 4	3	Major Requirement		
8	GLY Elective	3	Major Requirement		
				16	
				16	
				18	
				13	
				63	
				61 transfer hours	
				124 hours for graduation	

- In order to graduate, B.S. Geology majors must pass comprehensive senior exams during the last semester.
- Residency Requirements:**
- 31 hours overall 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)