

### 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, 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		
<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		
MAT 263	Brief Calculus	4	MAT 171	MAT 1035	4		
MAT 271	Calculus I	4	MAT 172	MAT 1110	4	Required	
MAT 272	Calculus II	4	MAT 271	MAT 1120	4	Required	
<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		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/CHE 1110	4		must take both CHM 151 and CHM 152
CHM 152	General Chemistry II	4	CHM 151	CHE 1102/CHE 1120	4		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	Accepted, but PHY 251 Preferred	must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 1104	4	Accepted, but PHY 252 Preferred	must take PHY 151 and PHY 152
PHY 251	General Physics I	4	MAT 271	PHY 1150	4	Preferred	must take PHY 251 and PHY 252
PHY 252	General Physics II	4	MAT 272 and PHY 251	PHY 1151	4	Preferred	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>		
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Additional General Education Courses (13-14 SHC)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
GEL 111	Introduction to Geology	4		GLY 1101	4	UGETC	Required for major
CHM 151	General Chemistry I	4		CHE 1101 & 1110	4	UGETC	Required for major
UGETC/GEC		3			3	UGETC/GEC	
UGETC/GEC		1			1	UGETC/GEC	
<b>Total Credit Hours Required</b>		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
MAT 273	Calculus III	4	MAT 272	MAT 2130	4	GEC	Required for major
BIO 111	General Biology I	4		BIO 1801	4	Pre-Major	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**

3rd - 4th Year Plan: Physics, Secondary Education							
Semester	Course	Hours	Notes				
SU	CI 2300 Teaching and Learning in the Digital Age	2	Required for admission to College of Education				
SU	FDN 2400 Critical Perspectives on Teaching and Learning	2	Required for admission to College of Education		4		
5	MAT 2130 Calculus with Analytic Geometry III	4	If taken at community college, take Free Elective				
5	PHY 2010 Intermediate Physics I	4	Major Requirement				
5	PHY 3210 Modern Physics I	3	Major Requirement				
5	PSY 3010 Psychology Applied to Teaching	3	Major Requirement				
5	Free Elective	3	Major Requirement		17		
6	PHY 2020 Intermediate Physics II	4	Major Requirement				
6	PHY 2210 Physics Laboratory Techniques	3	Writing in the Discipline				
6	PHY 3400 Physics Instruction Practicum	3	Major Requirement				
6	PHY 3520 Instructional Assistant	1	Major Requirement				
6	GS 4404 The Meeting of Nature and Science	3	Major Requirement				
6	Free Elective	3	Major Requirement		17		
SU	CI 3400 Policies and Practices in Educational Assessment	2	Major Requirement				
SU	SPE 3300 Creating Inclusive Learning Environments	3	Major Requirement		5		
7	PHY 4210 Methods of Experimental Physics	4	CAPSTONE				
7	PHY 3521 Secondary Science Field Experience	1	Major Requirement				
7	GS 4403 Teaching Science in Middle and High School	3	Major Requirement				
7	Required Major Elective	3	Major Requirement				
7	Free Elective	3	Take enough Free Elective to reach 127 hours		15		
8	CI 4900 Student Teaching	12	Student Teaching		12		
					66		
					61 transfer hours		
					127 hours for graduation		

- Reading & English proficiencies required.
- Admission to Teacher Education is required. To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT).
- Licensure requires a cumulative 2.7 GPA.
- **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)