

Universal General Education Transfer Component (UGETC)

English Composition (6 SCH)		The following <u>two</u> English composition courses are required.					
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)		Students will select <u>two</u> courses 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 2101	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		
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		9			
Social /Behavioral Science (6 SCH)		Students will select <u>two</u> courses 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	Required	
ECO 252	Principles of Macroeconomics	3	None	ECO 2040	3	Required	
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		
Total Credit Hours Required		6		6			
Mathematics (8 SCH)		Students will select <u>two</u> course from the following:					
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	GEP MAT	4		
MATH 263	Brief Calculus	4	MAT 171	MAT 1030	4		
MATH 271	Calculus I	4	MAT 172	MAT 1110	4	Required	
Total Credit Hours Required		8		8			
Natural Sciences (8 SCH)		Students will select <u>8</u> SCH from the following 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		must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 1104	4		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 <i>and</i> PHY 251	PHY 1151	4		must take PHY 251 and PHY 252
Total Credit Hours Required		8		8			

Total UGETC Hours

34

34

Additional General Education Courses (11-12 SHC) : These courses must be classified as UGETC or general education within the CAA.							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
MAT 272	Calculus II	4	MAT 271	MAT 1120	4	GEC	Required for major
UGETC/GEC		3			3	UGETC/GEC	
UGETC/GEC		3			3	UGETC/GEC	
UGETC/GEC		3			3	UGETC/GEC	
Total Credit Hours Required		12			12		

Total General Education Hours Required 46 46

Other REQUIRED HOURS (14-15 SHC): These courses must be classified as pre-major, elective or general education within the CAA.							
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 by major
ACC 120	Principals of Financial Accounting	3		ACC 2100	3	Pre-Major	Required by major
BUS 115	Business Law	3		LAW 2150	3	Pre-Major	Required by major
Pre-Major/Elective/GEC		3			3	Pre-Major/GEC/Elective	

Other Required Hours (15-16 SCH) 14 14

Total Semester Credit Hours in Program: 60

3rd - 4th Year Plan: BS, Actuarial Science							
Semester	Course	Hours	Notes				
SU	MAT 2240 Introduction to Linear Algebra	3	If taken at community college, take Free Elective				
SU	MAT 2130 Calculus III	4	If taken at community college, take Free Elective		7		
5	MAT 3330 Financial Mathematics	3	Major Requirement				
5	STT 3850 Data Analysis I	4	Major Requirement				
5	FIN 3680 Intro to Finance	3	Major Requirement				
5	MAT 3540 Financial Derivatives	1	Major Requirement				
5	Free Elective	3	Major Requirement		14		
6	STT 3851 Data Analysis II	3	Major Requirement				
6	FIN 3100 Principals of Risk Management & Ins.	3	Major Requirement				
6	MAT 3541 Topics In FM	1	Major Requirement				
6	MAT Approved Elective	3	Major Requirement				
6	Free Elective	3	Major Requirement		13		
7	STT 3250 Fundamentals of Probability	3	Major Requirement				
7	STT 4840 Time Series and Forecasting	3	Major Requirement				
7	FIN 3690 Financial Management	3	Major Requirement				
7	MAT Approved Elective	3	Major Requirement				
7	Free Elective	3	Major Requirement		15		
8	FIN 3890 Survey of Investments	3	Major Requirement				
8	FIN 4770 Derivatives and Financial Risk	3	Major Requirement				
8	MAT 3340 Actuarial Models	3	Major Requirement				
8	MAT 4430 Senior Seminar	3	CAPSTONE				
8	Free Elective	1	Take enough electives to reach 122 hours required for graduation		13		
					62		
					60 transfer hours		
					122 hours for graduation		

- A contract with a list of the approved Math elective course MUST be filed with the College of Arts & Sciences Dean's Office no later than the end of the first semester of junior year.
- **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)

- If Calculus II (MAT 272) is not offered at the community college attending, it is recommended that students transfer after completing 30 hours of coursework.
- Many summer courses are offered. Students are encouraged to take summer classes, when available, to ensure completion of degree in a timely manner and so not to overload semesters.