

POS REQUIRED

POS PREFERRED

### Universal General Education Transfer Component (UGETC)

English Composition (6 SCH)		The following two 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	
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		

Humanities/Fine Arts (6 SCH)		Students will select two 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	Preferred	
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	Preferred	
<b>Total Credit Hours Required</b>		<b>6</b>			<b>9</b>		

Social /Behavioral Science (6 SCH)		Students will select two 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	Preferred	or ECO 252
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	Preferred	
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)		Students will select two 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	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		
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

Natural Sciences (8 SCH)		Students will select 8 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	Required	must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 1104	4	Required	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
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

**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
HUM 110	Technology & Society	3		TEC 2029	3	GEC	Required by major
UGETC/GEC		3			3	UGETC/GEC	
UGETC/GEC		3			3	UGETC/GEC	
UGETC/GEC		3			3	UGETC/GEC	
<b>Total Credit Hours Required</b>		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
ACC 120	Principals of Financial Accounting	3		ACC 2110 (will satisfy ACC 1050 major requirement)	3	Pre-Major	
BUS 115	Business Law	3		LAW 2150	3	Pre-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		2			2	Pre-Major/GEC/Elective	

**Other Required Hours (15-16 SCH)** 15 15

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

**3rd - 4th Year Plan: BS, Building Sciences, Sustainable Building Systems**

Semester	Course	Hours	Notes	
5	TEC 2029 Society & Technology	3	If taken at community college, take Major Elective	
5	TEC 1728 Architectural Graphics and computer Modeling	3	Major Requirement	
5	TEC 1708 Construction Technology & Building Codes	3	Major Requirement	
5	TEC 2718 Building Mechanical Systems	3	Major Requirement	
5	TEC 2758 Surveying, Soils and Foundations	3	Major Requirement	15
6	TEC 3038 Commercial Construction Technology	3	Writing in the Discipline	
6	TEC 3039 Materials Science	3	Major Requirement	
6	ECO 2620 Environmental Resource Economics	3	Major Requirement	
6	TEC 4618 Sustainable Building Design & Construction	3	Major Requirement	
6	TEC 2601 Energy Issues & Technology	3	Major Requirement	
6	Major Elective	3	Major Requirement	18
SU	TEC 4900 Internship	6	CAPSTONE	6
7	TEC 3718 Construction Estimating	3	Major Requirement	
7	TEC 3748 Building Science	3	Major Requirement	
7	TEC 3728 Architectural design Studio I	3	Major Requirement	
7	TEC 3738 Statics & Strength of Structures	3	Major Requirement	
7	PHL 2015 Environmental Ethics	3	Major Requirement	
7	Major Elective	3	Major Requirement	18
8	TEC 4758 Planning & Scheduling	3	Major Requirement	
8	TEC 4788 Integration of Energy & Building Systems	3	Major Requirement	
8	TEC 4103 Leadership in Technical Settings	3	Major Requirement	
8	PHY 1830 Physical Principals of Energy & Sustainability	3	Major Requirement	
8	Major Elective	3	Major Requirement	15-18
8	Major Elective	3	If major elective taken in first semester, take 15 hours	72-75
				61 transfer hours
				133-136 hours for graduation

**CROSSWALK (ref: AA w/ Wilkes CC)**

HUM 110  
 ARC 114 + ARC 114A + ARC 221  
 CMT 120 + ARC 111  
 ARC 230 + SST 140  
 CST211 + ARC 240  
 ARC 211 + ENG 114  
 ARC 112

**ARC 213**

- TEC 4900 Internship (6 sh) should be taken in the summer between the Junior and Senior year or later.
  - A minor is not required but a minor in Community and Regional Planning is recommended.
- 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)