

**Template for CAA students earning an AS degree  
who are interested in  
at Winston-Salem State University**

**Part I: Complete the AS degree within the NCCCS as outlined.**

Any program/major courses that satisfy the Universal General Education Transfer Component will be noted in the column "Required or Preferred by Major" up to the limits of each category.

**Universal General Education Transfer Component (UGETC)**

The following <u>two</u> English composition courses are required.							
English Composition (6 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
ENG 111	Expository Writing	3	None	ENG 1301	3		
ENG 112	Argument-Based Research	3	ENG 111	ELEC 1100	3		Counts as GE hours
<b>Total Credit Hours Required</b>		<b>6</b>		<b>6</b>			

Students will select <u>two</u> courses from at least two different disciplines:							
Humanities/Fine Arts (6 SCH)							
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 1301	3		
ART 114	Art History Survey I	3	None	ART 2301	3		
ART 115	Art History Survey II	3	None	ART 2302	3		
COM 231	Public Speaking	3	None	SPH 2341	3	X	
ENG 231	American Literature I	3	None	ENG 2313	3	x	
ENG 232	American Literature II	3	None	ENG 2314	3		
MUS 110	Music Appreciation	3	None	MUS 1301	3		

MUS 112	Introduction to Jazz	3	None	ELEC 1000	3		Counts as GE AOK
PHI 215	Philosophical Issues	3	ENG 111	PHI 2301	3		
PHI 240	Introduction to Ethics	3	ENG 111	PHI 2302	3		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</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 2311	3		
ECO 252	Principles of Macroeconomics	3	None	ECO 2312	3		
HIS 111	World Civilizations I	3	None	HIS 1301	3		
HIS 112	World Civilizations II	3	None	HIS 1302	3		
HIS 131	American History I	3	None	HIS 2306	3		
HIS 132	American History II	3	None	HIS 2307	3		
PSY 150	General Psychology	3	None	PSY 2301	3		
POL 120	American Government	3	None	POS 2311	3		
SOC 210	Introduction to Sociology	3	None	SOC 2301	3		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		

**Mathematics (8 SCH)**

Students will select two courses 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 1312	3		
MAT 172	Precalculus Trigonometry	4	MAT 171	MAT 1312	3		
MATH 263	Brief Calculus	4	MAT 171	MAT 2333	3		
MATH 271	Calculus I	4	MAT 172	MAT 2317	3	x	
<b>Total Credit Hours Required</b>		<b>8</b>			<b>6</b>		

Students will select 8 SHS  
from the following  
courses:

**Natural Sciences (8 SCH)**

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
AST 151/151	General Astronomy I and lab I		None	PHS 4111	4		
BIO 110	Principles of Biology	4	None	BIO 1301/1101	4	x	
BIO 111	General Biology I	4	None	BIO 2301/2101	4		must take both BIO 111 and BIO 112
BIO 112	General Biology II	4	BIO 111	BIO 2302/2102	4		must take both BIO 111 and BIO 112
CHM 151	General Chemistry I	4	None	CHE 2311+2111	4	x	must take both CHM 151 and CHM 152
CHM 152	General Chemistry II	4	CHM 151	CHE 2312+2112	4		must take both CHM 151 and CHM 152
GEL 111	Introduction Geology	4	None	ELEC 1100	4		Counts as GE AOK
PHY 110/110	Conceptual Physics and Lab	4	None	ELEC 1100	4		Counts as GE AOK, must take lab with course
PHY 151	College Physics I	4	MAT 171	PHY 2321	4		must take PHY 151 and PHY 152
PHY 152	College Physics II	4	PHY 151	PHY 2322	4		must take PHY 151 and PHY 152
PHY 251	General Physics I	4	MAT 271	PHY 3331	4		must take PHY 251 and PHY 252
PHY 252	General Physics II	4	MAT 272 <i>and</i> PHY 251	PHY 3332	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
	LINEAR ALGEBRA	3	MAT 2317	MAT 2316	3		
	CALCULUS II	3	MAT 2317	MAT 2318	3		

**Total Credit Hours Required** 11-12 12

**Total General Education Hours Required** 45 45

**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	UNI 001	1	GEC	required by CAA
CSC 130	COMPUTER PROGRAMMING I	3		CIT 1310	3		
CSC 130	COMPUTER PROGRAMMING II	3		CIT 1311	3		

**Other Required Hours (15-16 SCH)** 14-15 14

**Total Semester Credit Hours in Program: 60**

**Part II: Complete one of the Degree Plans**

CSC 2320	Intro to Hardware Org	3
CSC 2331	Data Structures	3
CSC 21	LAB Elective	1
<b>PHY 2331</b>	<b>General Physics I</b>	3
<b>PHY 2131</b>	<b>General Physics I Lab</b>	1
CSC 3355	Database Management	3
CSC 3321	Operating Systems	3
CSC 2131	Professional Development	0-1
		<b>17</b>

### Semester 6

CSC 2310	Intro to Software Systems	3
PHY 2332	General Physics II	3
PHY 2132	General Physics II Lab	1
<b>CSC 3322</b>	<b>Computer Architecture</b>	3
<b>CSC 3331</b>	<b>Analysis of Algorithms</b>	3
CSC 33	Option Elective	3
CIT 2131	Professional Development	0-1
		<b>16</b>

### Semester 7

CSC 4340	Organ. of Programming Lang.	3
CSC 4350	Software Engineering	3
CSC 4387	Seminar in Computer Science	3
CSC 33	CORE Elective	3
<b>MAT 2337</b>	<b>Discrete Mathematics</b>	3
CSC 2131	Professional Development	0-1
		<b>15</b>

### Semester 8

CSC 4388	Systems Design and Development	3
CSC 43	ADVANCED Elective <sup>4</sup>	3
MAT 3310	Probability and Statistics	3

CSC	Option Elective	3
CIT 2131	Professional Development	0-1
		12
	Upper Level	60
	Transfer	60
	Total	120