

Template for CAA students earning an AA degree

who are interested in **Biology**
at **Winston-Salem State University**

Part I: Complete the AA 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
Total Credit Hours Required		6			6		

Students will select <u>three</u> courses from at least two different disciplines:							
Humanities/Fine Arts (9 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		
ENG 231	American Literature I	3	None	ENG 2313	3		
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 1100	3		Meets GE AOK
PHI 215	Philosophical Issues	3	ENG 111	ELEC 1100	3		Meets GE AOK
PHI 240	Introduction to Ethics	3	ENG 111	ELEC 1100	3		Meets GE AOK
Total Credit Hours Required		9			9		

Social /Behavioral Science (9 SCH) **Students will select three 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		
Total Credit Hours Required		9			9		

Mathematics (3-4 SCH) **Students will select one course from the following:**

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
MAT 143	Quantitative Literacy	3	None	MAT 1323	3		
MAT 152	Statistical Methods I	4	None	MAT 2326	3		
MAT 171	Precalculus Algebra	4	None	MAT 1312	3	x	
Total Credit Hours Required		3-4			3		

Natural Sciences (4 SCH) **Students will select 4 SCH from the following courses:**

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
AST 111/111A	Descriptive Astronomy I and Lab	4	None	ELEC 1100	4		Meets GE AOK
AST 151/151A	General Astronomy I and lab I		None	ELEC 1100	5		Meets GE AOK
BIO 110	Principles of Biology	4	None	BIO 1301/1101	4		
BIO 111	General Biology	4	None	BIO 2301/2101	4	x	
CHM 151	General Chemistry I	4	None	CHE 2311+2111	4		
GEL 111	Introduction Geology	4	None	ELEC 1100	4		Meets GE AOK

PHY 110/110	Conceptual Physics and Lab	4	None	ELEC 1100	4		Meets GE AOK
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Total Credit Hours Required 4 4

Total UGETC Hours 31-32 31

Additional General Education Courses (13-14 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
	Foreign Language I	3		Foreign Language I	3	GEC	
	Foreign Language II	3		Foreign Language II	3	GEC	
MAT 172	Pre-Calculus	3		MAT 1313	3	GEC	
BIO 112	General Biology II	4		BIO 2302 & 2102	4	GEC	

Total Credit Hours Required 13-14 13

Total General Education Hours Required 45 44

Other REQUIRED HOURS (15-16 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	Elective	1	GEC	required by CAA
MAT 271	Calculus I	3	MAT 1313	MAT 2317	3	GEC	
PHY 151	College Physics I	4	MAT	PHY 2321 +2121	4	GEC	
CHM 151	General Chemistry I	4	None	CHE 2311+2111	4	GEC	
CHN 152	General Chemistry II	4	MAT	CHE 2312 + 2112	4	GEC	

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

Total Semester Credit Hours in Program: 60

Part II: Complete one of the Degree Plans

Semester 5

Credits

BIO 2303 Scientific Writing	3
CHE 3226 Organic Chemistry I Laboratory	2
CHE 3326 Organic Chemistry I	3

PHY 2122 Physics II Laboratory	1
PHY 2322 Physics II	3
Elective	4
Total	16

Semester 6

BIO 3337 Biomolecules	3
BIO 3137 Biomolecules Laboratory	1
Elective Lab	1
BIO 3366 Genetics	3
BIO 3231 Microbiology	2
CHE 3127 Organic Chemistry II Laboratory	1
CHE 3327 Organic Chemistry II	3
Total	14

Semester 7

BIO 4164 Cell Biology Laboratory	1
BIO 4364 Cell Biology	3
Biology Elective	3
Biology Elective	3
Biology Elective	3
Elective	3
Total	16

Semester 8

BIO 4276 Biology Seminar	2
BIO 4277 Investigation and Research III or BIO 3201 Tissue Culture	2
Biology Elective	4
Biology Elective	4
Elective	3
Total	15

Total for the Upper Division	61
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Transfer	60
WSSU	61
Total	121