

Template for CAA students earning an AAS degree or no degree who are interested in Biology at WINSTON-SALEM STATE UNIVERSITY

Any course identified in the CAA agreement will generally count towards the general education requirements of WSSU either as meeting an Area of Knowledge or as hours outside the major that count towards the 60 hr minimum.

At WSSU transfer students are required to take or transfer approximately 60 SH of credits outside of their major program requirements. Many of the 60 SH will be used to address requirements of the general education curriculum. For transfer students who have not met the general education core curriculum requirements as defined in the CAA, general education transfer decisions will be made on a course-by-course basis. Transfer students should have at least one course in each of the **seven general education Areas of Knowledge – Culture and Foreign Language, History, Literature, Mathematics, Natural Science, Social and Behavioral Sciences, and The Fine Arts**. For transfer students with less than 60 hours of general education transfer credit, advisors will work with students to determine if there is a need, because of skill deficits, to take courses that are focused on any of the seven general education learning outcomes as part of general education before the student enters the major. Developmental skills courses do not count towards the hours needed to fulfill either general education requirements or the 60 SH outside of the major requirement. Developmental skills courses are non-credit, basic skills classes for students who demonstrate skill deficiencies in writing in English, mathematics, or reading as determined by placement examinations.

Literature								Need One Course	
Prefix		Course Name	Credit Hours	Pre-requisites		University Course Equivalent		Credit Hours	Required or Preferred by Major
ENG	125	Creative Writing 1	3	None		ENG	3341	3	
ENG	131	Introduction to Literature	3				ELEC 1100	3	
ENG	231	American Literature I	3	None		ENG	2313	3	
ENG	232	American Literature II	3	ENG	2313	ENG	2314	3	
ENG	241	British Literature I	3	None		ENG	3306	3	
ENG	242	British Literature II	3	ENG	3306	ENG	3307	3	
ENG	243	Major British Writers	3	ENG	2301 & 2302	ENG	3350	3	
ENG	253	The Bible as Literature	3	Junior Status		ENG	3331	3	
ENG	261	World Literature I	3	2 Written Courses		ENG	2301	3	
ENG	262	World Literature II	3	ENG	2301	ENG	2302	3	
ENG	271	Contemporary Literature	3	ENG	2301 & 202	ENG	3378	3	
ENG	273	African-American Literature	3	Junior Status		ENG	3381	3	
ENG	275	Science Fiction	3				ELEC 1100	3	
DRA	112	Literature of the Theatre	3				ELEC 1100	3	
REL	211	Intro to Old Testament	3	None		REL	2302	3	
REL	212	Intro to New Testament	3	None		REL	2301	3	

Foreign Language and Culture								Need One Course	
Prefix		Course Name	Credit Hours	Pre-requisites		University Course Equivalent		Credit Hours	Required or Preferred by Major
ANT	210	General Anthropology	3				ELEC 1100	3	
ANT	220	Cultural Anthropology	3				ELEC 1100	3	
CHI	211	Intermediate Chinese I	3	CHI	1312	CHI	2311	3	

CHI	212	Intermediate Chinese II	3	CHI	2311	CHI	2312	3	
FRE	211	Intermediate French I	3	FRE	1311 & 1312	FRE	2311	3	
FRE	212	Intermediate French II	3	FRE	2311	FRE	2312	3	
FRE	221	French Conversation	3	FRE	2312	FRE	3212	3	
HUM	110	Technology and Society	3				ELEC 1100	3	
HUM	115	Critical Thinking	3				ELEC 1100	3	
HUM	120	Cultural Studies	3				ELEC 1100	3	
HUM	121	The Nature of America	3				ELEC 1100	3	
HUM	130	Myth in Human Culture	3	None			ELEC 1100	3	
HUM	150	American Women's Studies	3				ELEC 1100	3	
HUM	170	The Holocaust	3				ELEC 1100	3	
HUM	220	Human Values and Meaning	3				ELEC 1100	3	
PHI	215	Philosophical Issues	3	ENG	111		ELEC 1100	3	
PHI	240	Introduction to Ethics	3	ENG	111		ELEC 1100	3	
POR	211	Intermediate Portuguese I	3	POR	1311 & 1312	POR	2311	3	
POR	212	Intermediate Portuguese II	3	POR	2311	POR	2312	3	
POR	221	Portuguese Conversation	3	POR	2312	POR	3309	3	
POR	231	Reading and Composition	3	POR	3309	POR	4301	3	
SPA	141	Cultural and Civilization	3	None		SPA	3323	3	
SPA	211	Intermediate Spanish I	3	SPA	1312	SPA	2311	3	
SPA	212	Intermediate Spanish II	3	SPA	2311	SPA	2312	3	
SPA	221	Spanish Conversation	3	SPA	1311 & 1312	SPA	2309	3	
SPA	231	Reading and Composition	3	SPA	2312 "C" or better	SPA	3310	3	
CHI	111	Elementary Chinese I	3	None		CHI	1311	3	X*
CHI	112	Elementary Chinese II	3	CHI	1311	CHI	1312	3	X*
FRE	111	Elementary French I	3	None		FRE	1311	3	X*
FRE	112	Elementary French II	3	FRE	1311	FRE	1312	3	X*
POR	111	Elementary Portuguese I	3	None		POR	1311	3	X*
POR	112	Elementary Portuguese II	3	POR	1311	POR	1312	3	X*
SPA	111	Elementary Spanish I	3	None		SPA	1311	3	X*
SPA	112	Elementary Spanish II	3	SPA	1311	SPA	1312	3	X*

* 2 semesters of any of the languages is requires

Fine Arts

Need One Course

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major
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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	ART	2301	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	
DRA	111	Theatre Appreciation	3	None		DRA	2306	3	
DRA	130	Acting I	3	DRA	2306	DRA	2313	3	
DRA	131	Acting II	3				ELEC 1100	3	
DRA	170	Play Production I	3	SPH	2341	DRA	3321	3	
DRA	260	Directing	3	SPH	2341	DRA	3316	3	
ENG	132	Introduction to Drama	3	None		DRA	2306	3	
HUM	160	Introduction to Film	3				ELEC 1100	3	
HUM	161	Advanced Film Studies	3				ELEC 1100	3	
MUS	121	Music Theory I	3	None		MUS	3301	3	
MUS	122	Music Theory II	3	MUS	3301	MUS	3303	3	
MUS	135	Jazz Ensemble I	3	None		MUS	1146	3	
MUS	137	Orchestra I	3	MUS	2290/2291/2201/2202	MUS	3226	3	
MUS	181	Show Choir I	3	None		MUS	1131/1138	3	
MUS	182	Show Choir II	3	None		MUS	1136	3	
MUS	214	Electronic Music I	3	MUS	1310 or 2290	MUS	3310	3	
MUS	217	Elementary Conducting	3	None		MUS	3131	3	
MUS	212	Music Theory III	3	MUS	1310 or 2290	MUS	4315	3	
MUS	222	Music IV	3	MUS	4316	MUS	4316		
ART	111	Art Appreciation	3	None		ART	1301	3	
ART	114	Art History Survey 1	3	None		ART	2301	3	
ART	115	Art History Survey II	3	ART	2301	ART	2302	3	
ART	131	Drawing I	3	None		ART	1311	3	
ART	240	Painting I	3	ART	1314	ART	2331	3	
ART	264	Digital Photography I	3	None		ART	3354	3	

Social /Behavioral Science

Need One Course

Prefix		Course Name	Credit Hours	Pre-requisites		University Course Equivalent	Credit Hours	Required or Preferred by Major
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	
BUS	110	Introduction to Business	3	None		MGT	1304	3	
BUS	137	Principles of Management	3	BCO	2311	MKT	3331	3	
CJC	110	Into to Criminal Justice	3	None		JUS	2301	3	
CJC	141	Corrections	3	POLS	2311	JUS	4344	3	
ECO	251	Principles of Microeconomics	3	None		ECO	2311	3	
ECO	252	Principles of Macroeconomics	3	None		ECO	2312	3	
GEO	110	Introduction to Geography	3	None		GEO	2311	3	
GEO	111	World Regional Geography	3	None		GEO	2313	3	
GEO	112	Cultural Geography	3			ELEC	1100	3	
GEO	130	General Physical Geography	3	None		GEO	2311	3	
HUM	115	Critical Thinking	3	None		PHI	2303	3	
HUM	1120	Cultural Studies	3	SOC	2301 & 2302	SOC	3314	3	
PHI	215	Philosophical Issues	3	None		PHI	2301	3	
PHI	230	Introduction to Logic	3	None		PHI	2303	3	
POL	120	American Government	3	None		POL	2311	3	
POL	130	State and Local Government	3	POL	2311	POL	2316	3	
POL	220	International Government	3	POL	2311	POL	3341	3	
POL	250	Introduction to Political Theory	3	POL	2311	POL	2341	3	
PSY	150	General Psychology	3	None		PSY	2301	3	
PSY	211	Psychology of Adjustment	3	PSY	2301	PSY	2308	3	
PSY	237	Social Psychology	3	PSY	2301	PSY	3307	3	
PSY	239	Psychology of Personality	3	PSY	2301	PSY	3329	3	
PSY	241	Developmental Psychology	3	PSY	2301	PSY	3336	3	
PSY	243	Child Psychology	3	PSY	2301	PSY	2310	3	
PSY	246	Adolescent Psychology	3	PSY	2301	PSY	3302	3	
PSY	249	Psychology of Aging	3	PSY	2301	PSY	3303	3	
PSY	259	Human Sexuality	3	PSY	2301 OR 2302	SOC	3350	3	
PSY	275	Health Psychology	3	PSY	2301	PSY	4310	3	
PSY	281	Abnormal Psychology	3	PSY	2301	PSY	3306	3	
REL	110	World Religions	3	None		REL	2303	3	
SOC	210	Introduction to Sociology	3	None		SOC	2301	3	

SOC	213	Sociology of the Family	3	SOC	2301 OR 2302	SOC	3356	3	
SOC	215	Group Processes	3	SOC	2301 OR 2302	SOC	4321	3	
SOC	220	Social Problems	3	SOC	2301 OR 2302	SOC	2336	3	
SOC	225	Social Diversity	3	SOC	2301 OR 2302	SOC	3343	3	
SOC	230	Race and Ethnic Relations	3	SOC	2301 OR 2302	SOC	4364	3	
SOC	234	Sociology of Gender	3	SOC	2301 OR 2302	SOC	3344	3	
SOC	240	Social Psychology	3	SOC	2301 OR 2302	SOC	3307	3	
SOC	242	Social Deviance	3	SOC	2301 OR 2302	SOC	3347	3	
SOC	244	Sociology of Death and Dying	3	SOC	2301 OR 2302	SOC	3304	3	
SOC	250	Sociology of Religion	3	None		SOC	2341	3	
SOC	254	Rural and Urban Sociology	3	None		SOC	2341	3	

Mathematics and Quantitative Logic

Need One Course

Prefix		Course Name	Credit Hours	Pre-requisites		University Course Equivalent	Credit Hours	Required or Preferred by Major
MAT	143	Quantitative Literacy	3	MAT	1306	MAT 1323	3	
MAT	152	Statistical Methods I	4	MAT	1311	MAT 2326	3	
MAT	171	Precalculus Algebra	4	MAT	1311	MAT 1312	3	
BUS	228	Business Statistics	3	None		OBA 2325	3	
MAT	152	Statistical Methods I	3	MAT	1311	MAT 2326	3	
MAT	167	Discrete Mathematics	3	MAT	1313	MAT 2337	3	
MAT	172	Precalculus Trigonometry	3	MAT	1312	MAT 1313	3	
MAT	263	Brief Calculus	3	MAT	1312	MAT 2333	3	
MAT	271	Calculus I	3	MAT	1313	MAT 2317	3	X
MAT	272	Calculus II	3	MAT	2317	MAT 2318	3	
MAT	273	Calculus III	3	MAT	2318	MAT 3316	3	
MAT	280	Linear Algebra	3	MAT	2317	MAT 2316	3	
MAT	285	Differential Equations	3	MAT	2318	MAT 4301/4302	3	

Natural Sciences

Need One Course

Prefix		Course Name	Credit Hours	Pre-requisites		University Course Equivalent	Credit Hours	Required or Preferred by Major
AST	111	Descriptive Astronomy I	3	None		PHS 2337	3	
AST	111A	Descriptive Astronomy Lab	1	None		PHS 2137	1	
AST	151	General Astronomy I	3	None		PHS 2337	3	
AST	151A	General Astronomy I Lab	1	None		PHS 2137	1	
BIO	110	Principles of Biology	4	None		BIO 3101/1101	4	

BIO	111	General Biology	4	None		BIO	2301/2101	4	X
BIO	112	General Biology	4			BIO	2302/2102	4	X
BIO	120	Introductory Botany	3	BIO	2301	BIO	2316	3	
BIO	130	Introductory Zoology	3	BIO	2301	BIO	2310	3	
BIO	140	Environmental Biology	3	None		BIO	1320	3	
BIO	143	Field Biology Minicourse		BIO	2302	BIO	333		
BIO	145	Ecology	3	BIO	3366 & MAT 2317	BIO	3371	3	
BIO	150	Genetics In Human Affairs	3	BIO	2301/1315 OR 2302	BIO	3366	3	
BIO	165	Anatomy and Physiology I	4	BIO	1311 OR 2301	BIO	2311	4	
BIO	166	Anatomy and Physiology II	4	BIO	2311	BIO	2312	4	
BIO	168	Anatomy and Physiology I	4	BIO	1311 OR 2301	BIO	2311	4	
BIO	169	Anatomy and Physiology II	4	None		BIO	2312	4	
BIO	175	General Microbiology	3	None		BIO	1311	3	
BIO	180	Biological Chemistry	3	None		CHM	3346	3	
BIO	250	Genetics	3	None		BIO	3366	3	
BIO	265	Cell Biology	3	None		BIO	4364	3	
BIO	271	Pathophysiology	3	None		NUR	3318	3	
BIO	275	Microbiology	3	None		BIO	3231	3	
BIO	280	Biotechnology	3	None		BIO	3352	3	
CHM	130	Gen., Org., & Biochemistry	3	None		CHM	1312/4376	3	
CHM	130A	Gem., Org., & Biochemistry Lab	1	None		CHM	4176	1	
CHM	131	Introduction to Chemistry	3	MAT	1311	CHM	1311	3	
CHM	1311A	Introduction to Chemistry Lab 1	1	None				1	
CHM	132	Organic and Biochemistry	3	CHM	3327	CHM	3346	3	
CHM	135	Survey of Chemistry I	3	MAT	1311	CHM	2311	3	X
CHM	136	Survey of Chemistry II	3	CHM	2311	CHM	2312	3	X
CHM	151	General Chemistry I	3	MAT	1311	CHM	2311	3	
CHM	152	General Chemistry II	3	CHM	2311	CHM	2312	3	
CHM	251	Organic Chemistry I	3	CHM	2312	CHM	3326	3	
CHM	252	Organic Chemistry II	3	CHM	3126 & F179 3326	CHM	3327	3	
CHM	271	Biochemical Principles	3	CHM	3326	CHM	3343	3	
CHM	271A	Biochemical Principles Lab	1	None		CHM	3146	1	
GEL	111	Introduction Geology	4	None		PHS	2336	3	
GEL	113	Historical Geology	4				ELEC 1100	4	
GEL	120	Physical Geology	4				ELEC 1100	4	
GEL	230	Environmental Geology	4				ELEC 1100	4	
PHY	110/11	Conceptual Physics and Lab	4	None		PHS	2321+2336	4	
PHY	151	College Physics I	3	MAT	1311	PHY	2321 & 2121	4	X

PART II: SAMPLE DEGREE COMPLETION PLAN

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	Credits
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	Credits
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	Credits
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
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Total	15

Total for the Upper Division **60**

Transfer	60
WSSU	61
Total	121