

**Template for CAA students earning an AS degree
who are interested in Mangement Information Systems
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 1000	3		Counts as GE hours
Total Credit Hours Required		6			6		
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		
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 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		
Total Credit Hours Required		6			6		

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	x	
ECO 252	Principles of Macroeconomics	3	None	ECO 2312	3	x	take as elective
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		take a history
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		6			6		

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	x	
MATH 263	Brief Calculus	4	MAT 171	MAT 2333	3		
MATH 271	Calculus I	4	MAT 172	MAT 2317	3	x	
Total Credit Hours Required		8			6		

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		
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		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 <u>and</u> PHY 251	PHY 3332	4		must take PHY 251 and PHY 252

Total Credit Hours Required

8

8

Total UGETC Hours

34

34

General Education Courses (11-12 SHC) : These courses must be classified as UGETC or general education within the program.

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
ACC 120	Prin of Financial Accounting	3		ACC 2316	3		
ACC 121	Prin of Managerial Accounting	3		ACC 2317	3		
MAT 152	Statistics	3		MAT 2326	3		
ECO 252	Principles of Macroeconomics	3	None	ECO 2312	3		

Total Credit Hours Required 11-12 12

Total General Education Hours Required 45 45

General Education Courses (14-15 SHC): These courses must be classified as pre-major, elective or general education within the program.

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
BUS 115	Business Law	3		BLA 2325	3		
	Take 10 hours of GE courses				10		

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

Total Semester Credit Hours in Program: 60

Semester 5		Credits
MIS 1380	Business Computing	3
MIS 2312	Internet Technology	3
MGT 3322	Organizational Behavior	3

	Elective	3
MGT 3350	Fundamentals of International Business	3
		15
Semester 6		
MIS 2320	Structured System Building (preq. MIS 1380)	3
MIS 3330	Information Systems Concepts (preq. MIS 1380)	3
MIS 3360	Basic Concepts of Telecommunications (preq. MIS 1380)	3
MKT 3331	Principles of Marketing	3
QBA 3370	Statistics and Quantitative Methods of Business (prereq. Intro to Stats)	3
		15
Semester 7		
MIS 3340	Systems Analysis and Design (preq. MIS 2320)	3
MIS 3380	File Structures and Database Operations (preq. MIS 1380)	3
MIS 4322	Global Electronic Commerce (preq. MIS 1380)	3
FIN 3351	Principles of Financial Management (prereq. ACC 2316, MAT 1312 ("C-" or higher))	3
QBA 4377	Production and Operations Management (prereq. QBA 3370)	3
		15
Semester 8		
MIS 4340	Web System Development (preq. MIS 2312, MIS 3340 and MIS 3380)	3
MGT 4399	Strategic Management	3
	MIS Elective	3
	Elective	3
	Elective	3
	Elective	3
		15
	Upper level	60
	Transfer	60
	Total	120