

Template for CAA students earning an AS degree							
who are interested in		Computer Science, Option 2: Geographic Information Systems (GIS)					
at the University of North Carolina Wilmington							
Part I: Complete the AS degree within the NCCCS as outlined.							
Universal General Education Transfer Component							
English Composition (6 SCH)							
The following two English composition courses are required.							
Prefix	Course Name	Credit Hours	Pre-requisites	UNCW Course Equivalent	Credit Hours	Required by Major	Notes
ENG 111	Writing Inquiry	3		ENG 101	3	Req for US	Req by CAA
ENG 112	Writing/Research in the Disciplines	3	ENG 111	ENG 201	3	Req for US	Req by CAA
Total Credit Hours Required		6			6		
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 by Major	Notes
ART 111	Art Appreciation	3	None	ART 001		recommend against	
ART 114	Art History Survey I	3	None	ARH 201			
ART 115	Art History Survey II	3	None	ARH 202			
COM 231	Public Speaking	3	None	COM 101			
ENG 231	American Literature I	3	None	ENG 223	3	required by CSC	
ENG 232	American Literature II	3	None	ENG 224		rec for US	
MUS 110	Music Appreciation	3	None	MUS 115			
MUS 112	Introduction to Jazz	3	None	MUS 116			
select one course from the following					3		
PHI 215	Philosophical Issues	3	ENG 111	PAR 101			
PHI 240	Introduction to Ethics	3	ENG 111	PAR 115			
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 by Major	Notes
ECO 251	Principles of Microeconomics	3	None	ECO 221			
ECO 252	Principles of Macroeconomics	3	None	ECO 222			
HIS 111	World Civilizations I	3	None	HIST 101	3	rec for US	
select one course from the following					3		
PSY 150	General Psychology	3	None	PSY 105			
POL 120	American Government	3	None	PLS 101			
SOC 210	Introduction to Sociology	3	None	SOC 105			
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 by Major	Notes
MAT 171	Precalculus Algebra	4		MAT 111	4	required by CSC	
MAT 271	Calculus I	4		MAT 161	4	required by CSC	
Total Credit Hours Required		8			8		
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 by Major	Notes
select two courses from the following					8		
BIO 110	Principles of Biology	4		BIO 105			
GEL 111	Introduction Geology	4		GYL 101			
PHY 110/110A	Conceptual Physics and Lab	4		PHY 105			
PHY 151	College Physics I	4		PHY 101			
PHY 152	College Physics II	4	PHY 151	PHY 102			
BIO 111	General Biology	4		BIO 201			
BIO 112	General Biology II	4	BIO 111	BIO 202			

CHM 151	General Chemistry I	4		CHM 101			
CHM 152	General Chemistry II	4	CHM 151	CHM 102			
PHY 251	General Physic I	4		PHY 201			
PHY 252	General Physics II	4	PHY 251	PHY 202			
Total Credit Hours Required		8			8		
Total UGETC Hours		34			34		
Additional General Education Courses (11 SHC) : These courses must classified as UGETC or general education within the CAA.							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
1 > Hum/Art not taken above		3			3	Rec for US	
1 > SBS not taken above		3			3	Rec for US	
MAT 152	Statistics II	3		QMM 280	3		UGETC
	Foreign Language Course	3		Foreign Language Course	3		foreign language required for US
Total Credit Hours Required		11			12		
Total General Education Hours Required		45			46		
***Recommend that the 45 hours include 1 LDN & 1 LGS; 2 WI & 2 IL							Rec for US
***Recommend that the 45 hrs include 9 hrs total in Human/Art, including 3 in PHI; and 9 hrs total in SBS, including 3 in HST							Rec for US
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		UNI 001	1	GEC	required by CAA
MAT 272	Calculus II	4	MAT 271	MAT 162 Calculus with Analytical Geometry II	4		G-Ed
	2nd term of Foreign Language Course	3		2nd term of Foreign Language Course	3		foreign language req for US
	free electives	7			7		
Other Required Hours (15-16 SCH)		15-16			15		

Total Semester Credit Hours in Program: 60-61

Part II: Complete one of the UNCW Computer Science Degree Plans							
3th -4th Year Plan for BS (Option 2: GIS) Computer Science Degree at UNCW							
Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS (Option 2: GIS) Computer Science degree at UNCW. This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below.							
Semester	Course	Hours	Notes				
5	CSC 131	4	Major Requirement				
5	CSC 133	3	Major Requirement				
5	GGY 215 or GGY 220	3	Major Requirement				
5	PED 101	1	Lifetime Wellness Requirement				
5	Third term of a foreign language	3				14	
6	CSC 231	4	Major Requirement				
6	CSC 242	3	Major Requirement				
6	CSC 385	3	Major Requirement; IV. BUILDING COMPETENCIES: A. Writing Intensive; IV. BUILDING COMPETENCIES: B. Information Literacy				
6	GGY 328 or EVS 281	3	Major Requirement				
6	Living in a Diverse Nation/Living in a Global S	3	US Requirement (complete the one not completed in AS degree)			16	
7	CSC 331	3	Major Requirement				
7	CSC 344	3	Major Requirement				
7	CSC 360	3	Major Requirement				
7	GIS elective 300 level or higher	3	Major Requirement				
7	Information Literacy Course	3	IV. BUILDING COMPETENCIES: B. Information Literacy			15	
8	CSC 380	3	Major Requirement; assuming completion of MAT 161				
8	CSC 434	3	Major Requirement				
8	CSC Elective	3	Major Requirement				
8	GIS elective 300 level or higher	3	Major Requirement			12	
9	CSC 450	3	Major Requirement; VI. CAPSTONE COURSE; V. EXPLORATIONS BEYOND THE CLASSROOM; IV. BUILDING COMPETENCIES: A. Writing Intensive				
9	CSC 455	3	Major Requirement; VI. CAPSTONE COURSE				
9	CSC Elective	3	Major Requirement				
9	Free Elective/US Course as necessary	3	Major Requirement			12	
						69	hours
						61	transfer hours
						130	hours for graduation