YOUR SUGGESTED COURSE MAP

From Associate of Science, General Studies–Concentration in Computer Science to Athens State University's Bachelor of Science in Computer Science

Associate of Science
General Studies, Computer Science Concentration

	Course Prefix	Course Description	Credit Hours
	ORI 110	Freshman Seminar	1
AREA I	ENG 101	English Composition I	3
	ENG 102	English Composition II	3
AREA II	ART, MUS, THR	Fine Arts Elective	3
	ENG*	Literature Elective*	3
	PHL, SPA, REL, etc.	Humanities Elective	3
	PHL, SPA, REL, etc.	Humanities Elective *(or second Literature Elective)*	3
AREA III	MTH 112	Precalculus Algebra	3
	BIO,CHM,PHY, GEO	Natural Science Elective I	4
	BIO,CHM,PHY,GEO	Natural Science Elective II	4
AREA IV	HIS*	History Elective*	3
	HIS, PSY, SOC, GEO, etc.	Social Science Elective *(or second History Elective)*	3
	HIS, PSY, SOC, GEO, etc.	Social Science Elective	3
	HIS, PSY, SOC, GEO, etc.	Social Science Elective	3
AREA V	MTH 113	Precalculus Trigonometry	3
	MTH 125	Calculus I	3
	MTH 126	Calculus II	3
	CIS 251	C++Programming	3
	General Elective	General Elective (Recommended MTH 227 for Transfer)	3-4
	General Elective	General Elective	2-3

A course sequence in either literature or history is required.

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Bachelor of Science in Computer Science
(With Required Concentration)

Course Prefix	Course Description	Credit Hours
UNV 300	Pathway to Success	3
MA 305	Calculus III(Unless MTH 227was completed at the community college level	4
CS 317	Computer Science I	3
CS 318	Computer Science II	3
CS 309 &CS 309L	Introduction to Digital Logic Design(and Lab)	3/1
CS 310	Professional Ethics of Computing	1
CS 372	Data Structures	3
MA 308	Discrete Mathematics	3
MA 320 or MA 321 OR MA 4##	Introduction to Abstract Algebra or Differential Equations	3
ITE 305	Networking Fundamentals	2
ITE 306	Local Area Networks	2
ITE 327& ITE 327L	Database System(and Lab)	3/1
ITE 420	Fundamentals of Information Security	3
CS 340	Introduction to Assembly Language &Computer Organization	3
CS 414	Programming Language	3
CS 415	Operating Systems	3
CS472	Analysis of Algorithms	
UNV 400	Career Seminar	1
CS 451 & CS 452	Software Engineering & Software Engineering Project	4/4
Required Concentration*	Required Concentration Courses*	Up to 21
Electives	Electives as needed to meet graduation requirements	As needed

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