

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 ( <i>or second Literature Elective</i> )	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 ( <i>or second History Elective</i> )	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