

**Bachelor of Science Degree in Computer Science
General CS Concentration
Degree Plan – Total Credits: 121**

First Year	First Semester		Second Semester	
	CS 120 Introduction to Computers and Problem Solving	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	15 hrs		16 hrs	

Second Year	Third Semester		Fourth Semester	
	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	MATH 242 Calculus & Analytic Geometry. II	4	CS 250 Computer Networks Fundamentals	3
	PHYS 213 College Physics Lab I	1	MATH 250 Linear Algebra	3
	PHYS 237 College Physics I	3	PHYS 214 College Physics Lab II	1
	ENG 2XX Any 200 Level ENG may be selected	3	PHYS 238 College Physics II	3
	17 hrs		16 hrs	

Third Year	Fifth Semester		Sixth Semester	
	CS 342 Programming Languages and Design	3	CS 346 Database Management Systems	3
	CS 343 Microprocessors Design	3	CS 300/400 CS Elective	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Elective Course	3	ECON 231 Principles of Economics I	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	CS 444 Operating Systems	3	CS 456 Software Engineering	3
	CS 415 Computer Ethics and Society	3	CS 499 Capstone Project	3
	CS 400/500 CS Elective	3	CS 400/500 CS Elective	3
	MATH 473 Probability and Statistics	3	Elective Course	3
	Elective Course	3		
	15 hrs		12 hrs	