COMPUTER SCIENCE B.S.CS.

All students must meet the University Requirements.

A minimum of 120 credits are required and must include the following:

Computer Science (minimum fifty credits)		
Recommended:		
CS 050	Seminar for New CS Majors	1
Core:		
CS 021	Computer Programming I [1]	3
CS 064	Discrete Structures	3
CS 110	Intermediate Programming [1]	4
CS 120	Advanced Programming	3
CS 121	Computer Organization	3
CS 124	Data Structures & Algorithms	3
CS 125	Computability and Complexity	3
CS 201	Operating Systems	3
CS 224	Algorithm Design & Analysis	3
CS 292	Senior Seminar	1
Twenty-one additional credits in CS, including three at the 0XX-level (or above), three at the 1XX-level (or above), and fifteen credits at the 2XX-level (or above)		21
Mathematics (fourteen credits)		
MATH 021	Calculus I [2]	4
MATH 022	Calculus II [2]	4
Choose two of the following courses:		6-7
MATH 121	Calculus III	
MATH 122	Applied Linear Algebra	
or MATH 124	Linear Algebra	
MATH 173	Basic Combinatorial Theory	
MATH 271	Adv Engineering Mathematics	
Probability & Statistics (six credits)		
STAT 143	Statistics for Engineering	3
CS 128	Probability Models & Inference (preferred)	3
or STAT 151	Applied Probability	
Natural Science (twelve credits)		
Choose three of the following courses:		
BIOL 001	Principles of Biology [3]	
BIOL 002	Principles of Biology [3]	
CHEM 031	General Chemistry 1 [4]	
CHEM 032	General Chemistry 2 [4]	
PHYS 051	Fundamentals of Physics I [5]	
PHYS 152	Fundamentals of Physics II [5]	

1. C- or higher required in CS 021 and CS 110.
2. MATH 019 and MATH 023 are acceptable substitutions for MATH 021 and MATH 022.
3. BCOR 011 and BCOR 012 are acceptable substitutions for BIOL 001 and BIOL 002.
4. CHEM 047 and CHEM 048 are acceptable substitutions for CHEM 031 and CHEM 032.
5. PHYS 031 and PHYS 125 (& PHYS 022) are acceptable substitutions for PHYS 051 and PHYS 152.