Computer Science Major Program (B.S. in CS)
Effective Fall 2014

I. GENERAL EDUCATION REQUIREMENTS

A. New Student Seminar
   1
B. REQUIRED MATHEMATICS COURSES
   MATH 122 Calculus I
   MATH 221 Calculus II
   MATH 235 Introduction to Linear Algebra
   STAT 401 Applied Statistics for the Sciences
   CSIT 270 Discrete Mathematical Structures
   18
C. REQUIRED COMPUTER SCIENCE COURSES-
   CORE
   CSIT 104 Computational Concepts
   CSIT 111 Fundamentals of Programming I
   CSIT 112 Fundamentals of Programming II
   CSIT 212 Data Structures and Algorithms
   CSIT 230 Computer Systems
   CSIT 379 Computer Science Theory
   CSIT 315 Software Engineering I
   CSIT 415 Software Engineering II
   24
D. REQUIRED COMPUTER SCIENCE ADVANCED COURSES
   CSIT 340 Computer Networks
   CSIT 355 Database Systems
   CSIT 313 Foundations of Programming
   Languages
   12
E. COMPUTER SCIENCE ELECTIVES
   Any two CSIT courses selected as Electives
   6
IV. FREE ELECTIVE CREDITS
   7-13

BS in CS Degree Total

120

II. WORLD LANGUAGES AND WORLD CULTURES

A. World Languages
   3-6
B. Multicultural Awareness
   0-3

III. MAJOR AND COLLATERAL COURSES

A. Collateral Courses – one of the following sequences
   A1. PHYS 191, 192
   A2. CHEM 120, 121
   A3. BIOL 112, 113, 213
   8
   8
   12
   Students who take sequence A1 or A2 must take at least an additional 4 credit hours from the following list of courses: PHYS 210, PHYS 240, PHYS 242, PHYS 245, PHYS 247, PHYS 280, CHEM 230, CHEM 231, and CHEM 232