Computer Science Prerequisite Flowchart 2018

One Year of Mathematics and Sciences

MAT201 CALCULUS I
- MAT205 PROBABILITY & STATISTICS

MAT202 CALCULUS II
- MAT210 DISCRETE MATHEMATICS
- MAT___ ADVANCED MATH ELECTIVE

PHY250 PHYSICS W/ CALCULUS I AND LAB (6)
- PHY252 APHYSICS W/ CALCULUS II AND LAB (6)

SCIENCE ELECTIVE

Advanced Computer Electives

CSC230 COMPUTER PROGRAMMING I
- CSC341 COMPUTER ORGANIZATION
- CSC360 OPERATING SYSTEMS
- CSC385 ARTIFICIAL INTELLIGENCE

CSC330 COMPUTER PROGRAMMING II
- CSC335 DATA STRUCTURES
- CSC493 COMPUTER SECURITY

CSC395 SOFTWARE ENGINEERING PRINCIPLES
- CSC483 DATABASE CONCEPTS & DESIGN
- CSC490 COMPUTER ETHICS*
- CSC494 SOFTWARE PROJECT DEVELOPMENT
- CSC490 COMPUTER ELECTIVE
- CSC ADVANCED COMPUTER ELECTIVE

Liberal Arts Core Requirements

University 101 Critical Thinking for the Information Ages
- Oral Communication Written Communication
- Religion and Philosophy Inquiry
- Scientific Inquiry**
- Math, Analytical Skills, Computations, and Technology**
- World Languages
- African Diaspora and the World Society and Global Inquiry (SSC)
- Society and Global Inquiry (HUM/VPA)