BACHELOR OF SCIENCE IN COMPUTER SCIENCE with a concentration in Scientific Software Development

PROGRESSION FLOWCHART

**FRESHMAN**
- SSC 2413: Foundations of Amer. Experience
- SSC 2423: Development of Amer. Experience
- COM 1103: College Composition
- LLT 1213: World Masterpieces 1
- LLT 1223: World Masterpieces 2
- MCS 1243: Foundations of Computer Science

**SOPHOMORE**
- MCS 1111: Coding Club (1st of 2)
- LLT 1213: World Masterpieces 1
- LLT 1223: World Masterpieces 2
- COM 2103: Tech. & Prof. Communication
- MCS 2514: Computer Science 2
- MCS 2513: Software Engineering 1
- MCS 1414: Calculus 1
- MCS 2423: Calculus 3
- COM 1001: Pathways to Research Careers

**JUNIOR**
- MCS 2414: Calculus 3
- MCS 2523: Discrete Math
- MCS 2534: Data Structures
- MCS 3663: Comp. Arch. & Assembler
- PHY 2413: Univ. Physics 1
- PHY 2421: Univ. Physics 1 Lab
- PHY 2423: Univ. Physics 2
- PHY 2431: Univ. Physics 2 Lab

**SENIOR**
- MCS 1424: Calculus 2
- MCS 2514: Computer Science 2
- MCS 3633: Intro to Database Systems
- MCS 3543: Operating Systems
- MCS 4993: Topics in MCS
- SSC/PSY 1: Elective
- MCS 2423: Calculus 3
- MCS 3543: Operating Systems
- MCS 4663: Senior Project
- MCS 4613: Computer Networks

123 credits

Name: ______________________ I.D. No. ____________ See Dept for list of approved Electives.

NOTES

**KEY:**
- Prequisite
- Corequisite
- (see note below)

* Select from MCS2423 Differential Equations, or MCS3403 Probability and Statistics, or MCS3863 Linear Algebra

Modified: May 2020