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 1142 Intro. To C
- MCS 1414 Calculus 1
- MCS 1424 Calculus 2
- COM 1001 Pathways to Research Careers

SOPHOMORE

- SSC/PSY ___ 3 Elective
- MCS 2513 Software Engineering 1
- MCS 2523 Discrete Math
- MCS 2414 Calculus 3
- MCS 2514 Computer Science 1
- MCS 2524 Data Structures
- MCS 2534 Comp. Architecture & Assembler
- PHY 2413 Univ. Physics 1
- PHY 2421 Univ. Physics 1 Lab

JUNIOR

- COM 2103 Tech. & Prof. Communication
- MCS ___ 3 CS Elective
- MCS 3633 Intro to Database Systems
- MCS 3543 Operating Systems
- PHY 2423 Univ. Physics 2
- PHY 2431 Univ. Physics 2 Lab
- COM3000 Writing Proficiency Exam
- Open Elective

SENIOR

- MCS ___ 3 Open Elective
- MCS/PSY ___ 3 Jr./Sr. Elective
- LLT ___ 3 Jr./Sr. Elective
- MCS 4653 Theory of Computation
- MCS ___ 3 CS Elective
- MCS 4613 Computer Networks
- MCS 4643 Comparative Prog. Languages
- MCS 4833 Senior Project
- MCS 4843 Senior Project 2

NOTES

- Key: ___________ Prerequisite
- ___________ Corequisite
- ___________ Corequisite

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

123 credits

Name: ___________________________ I.D. No. __________ See Dept for list of approved Electives.

Revised: March 2017