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
- SSC/PSY ___ 3 Elective

SOPHOMORE
- MCS 1111 Coding Club (1st of 2)
- LLT 1213 World Masterpieces 1
- LLT 1223 World Masterpieces 2
- COM 2103 Tech. & Prof. Communication
- COM 2513 Software Engineering 1
- MCS 2514 Computer Science 2
- MCS 2523 Discrete Math
- MCS 2534 Data Structures
- MCS 1414 Calculus 1
- MCS 1424 Calculus 2
- MCS 2414 Calculus 3

JUNIOR
- ___ 3 General Elective
- COM 3000 Writing Proficiency Exam
- MCS ___ 3 Math Elective * (see note below)
- MCS 3543 Intro to Database Systems
- MCS 3633 Functional Programming
- 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
- ___ 3 General Elective
- ___ 3 Jr. / Sr. Elective
- MCS ___ 3 Elective
- MCS 4993 Topics in MCS
- MCS 4663 Operating Systems
- MCS 4613 Computer Networks
- MCS 4653 Theory of Computation
- MCS 1111 Coding Club (2nd of 2)
- MCS 4653 Theory of Computation
- COM 4001 Pathways Capstone Lab

123 credits

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

KEY: ____________ Prerequisite

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

Modified: May 2020