COMPUTER SCIENCE MAJOR
Concentration in Information Systems

DOMAIN GENERAL EDUCATION (10 Courses Required):
Domain II A is satisfied through completion of the Computer Science major, leaving ten courses to be completed to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog for full information.

Common Core:  A. ENWR 110 Composition 2
               B. MATH XXX

Domain I:  A. Creative Arts
           B. Humanities
           C. Language

Domain II: A. Analysis, Modeling, Problem-Solving  X
           B. Sciences (two; one must be a lab science)

Domain III: A. Perspectives on the Past
            B. Perspectives on Contemp. World

MAJOR AND RELATED COURSES:
Major Core requirements (8)
CSCI 120  Introduction to Information Technology
CSCI 130  Computer Science I Using Java
CSCI 200  Pre-Coop seminar (0.5)
CSCI 215  Computer Science II Using Java
CSCI 258  Introduction to Operating Systems Using UNIX
CSCI 360  Database Management
MATH 206  Discrete Math I
STAT 117  Introduction to Statistics

Concentration in Information Systems
Required Concentration Core courses (4):
CSCI 108  HTML, JavaScript Programming, and Web Site Development
CSCI 345  Computer and Network Security
CSCI 373  Advanced Web Technologies
CSCI 376  Networking Technologies

Five required Business Courses (5):
ACCT 220  Introduction to Financial Accounting
BUIS 411  Information Systems Research
BUIS 460  Information Systems Management
ECON 101  Principles of Macroeconomics OR
ECON 102  Principles of Microeconomics
MGMT 280  Organizational Behavior

Three courses from at least two of the following categories (3):

Network and System Administration:
CSCI 320  Windows Server and Client Management
CSCI 340  UNIX™ System Administration

Computer Graphics and Technical Writing:
CSCI 140  Introduction to the Internet, Graphics and Multimedia
ENGL 286  Professional Writing
ENGL 371  Business Writing
ENGL 372  Technical Writing

General Information Systems Electives:
ESMT 164  Introduction to Enterprise Systems using z/OS ®
Any computer science courses at the 200-level and above except:
Courses listed in the Network and Systems Administration category or
CSCI 490  Independent Study in Computer Science
CSCI 495  Internship in Computer Science

FREE ELECTIVES (2):

2022-2023