COMPUTER SCIENCE MAJOR

Concentration in Information Systems with Cooperative Experience

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  
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 WITH COOPERATIVE EXPERIENCE
This concentration integrates two (2) full-time six-month cooperative work experiences and one (1) cooperative experience seminar with the required courses for the Concentration in Information Systems. These cooperative work experiences allow students to apply and further investigate the discipline of computer science.
Concentration Entrance Requirements: Students must  
• Maintain a minimum overall GPA of 2.80;  
• Maintain a 3.00 GPA in all Computer Science courses;  
• Complete and submit the cooperative experience application during the semester prior to enrolling in CSCI 310 Cooperative Experience I Transfer  

Required Concentration Core courses (4):  
CSCI 108 HTML, JavaScript Programming, and Web Site Development  
CSCI 310 Computer Science Cooperative Experience I  
CSCI 345 Computer and Network Security  
CSCI 373 Advanced Web Technologies  
CSCI 376 Networking Technologies  
CSCI 410 Computer Science Cooperative Experience II  

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