Information Systems Pathways

BS/BA

Intro to systems
CS160 (4) Survey of CS

Intro to programming
CS13x (4) Intro to Programming fall winter
OR
CS161 (4) Computer Science I winter spring

IS fundamentals
IS240 (4) Information Management I fall spring
IS270 (4) Operating Systems winter
IS278 (4) Networks fall spring

IS301 (4) IS Automation fall
IS340 (4) Information Management II fall
IS345 (4) Systems Analysis winter
IS350 (4) Enterprise Architecture spring
IS355 (4) Strategy/Acquis/Mgmt fall
IS440 (4) Systems Admin winter
IS470 (4) Project Management winter
IS475 (4) Project Implementation spring

BAS, 2+2
Math for IS
MTH231 or equiv. (4) Discrete Math
MTH243 (4) Intro to Prob and Stat

Concentration
Cybersecurity
CS271 (4) Computer Organization
IS370 (4) Ethical Hacking
IS485 (4) Intro Computer Security
IS486 (4) Network Security

General
IS/CS any (4) Elective
IS/CS 3/4xx (4) Elective
IS/CS 3/4xx (4) Elective
IS/CS 3/4xx (4) Elective

Sample Electives
CS13x Intro to Programming
CS161 Computer Science II
CS312 Social History Computing
CS340 Computer Ethics
CS346 Dynamic System Simulation
CS/IS407 Seminars
CS432 Intro to Data Analytics
CS434 Data Visualization
CS436 Learning from Data
CS438 Social/Economic Networks

Minor
16 upper-division IS course credits plus prerequisites (24-36 total credits)

IS Degrees 2021-22
BS/BA/BAS/2+2/Minor rev 1/20/2022

Start here with advisor approval