COMPUTER SCIENCE 2-YEAR PLAN FOR UNDERGRADUATE COURSE OFFERINGS
(Fall 2027 to Spring 2029)

☐ AI TRACK REQUIRED ELECTIVE*
☐ NETWORK SECURITY TRACK REQUIRED ELECTIVE*
☐ SOFTWARE ENGINEERING TRACK REQUIRED ELECTIVE*
(*CAN ALSO BE TAKEN AS ELECTIVE FOR OTHER TRACKS)

EVERY SEMESTER

COSC 117 Programming Fundamentals
COSC 118 Introductory Scientific Programming
COSC 120 Computer Science I
COSC 220 Computer Science II
COSC 250 Microcomputer Organization
COSC 311 Intro. to Data Visualization and Interpretation
COSC 320 Advanced Data Structures and Algorithm Analysis
COSC 350 Systems Software
COSC 362 Theory of Computation
COSC 386 Database Design and Implementation
COSC 425 Software Engineering I
COSC 426 Software Engineering II
COSC 450 Operating Systems

FALL ODD (2027)	SPRING EVEN (2028)
COSC 411 Artificial Intelligence COSC 420 High-Performance Computing COSC 472 Network Security COSC 413/513 Convolutional Neural Network and Application	COSC 290 (FYS-CS0) Special Topic: Generic AI for Everyone COSC 370 Computer Networks COSC 411 Artificial Intelligence COSC 412/512 Large Language Models and Applications COSC 495 Directed Consulting (CAMS)
FALL EVEN (2028)	**SPRING ODD (2029)**
COSC 330 OOD, GUI and Event-driven Programming COSC 420 High Performance Computing COSC 451 Robotics COSC 472 Network Security COSC 413/513 Convolutional Neural Network and Application	COSC 290 (FYS-CS0) Special Topic: Generic AI for Everyone COSC 330 OOD, GUI and Event-driven Programming COSC 370 Computer Networks COSC 411 Artificial Intelligence COSC 412/512 Large Language Models and Applications

ON DEMAND

COSC 116 Introduction to Computer Systems
COSC 119 Introduction to Web Development
COSC 290 Lower Level Special Topics
COSC 380 Internship
COSC 385 Directed Study
COSC 390 Undergraduate Research
COSC 432 Compiler Construction
COSC 456 Computer Architecture
COSC 490 Upper Level Special Topics