

COMPUTER SCIENCE 2-YEAR PLAN FOR UNDERGRADUATE COURSE OFFERINGS (Fall 2025 to Spring 2027)

☐ **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 425/426 Software Engineering I/II
 COSC 450 Operating Systems

FALL ODD (2025)

COSC 290 Introductory Special Topic: Generative AI for Everyone
 COSC 411 Artificial Intelligence
 COSC 420 High-Performance Computing
 COSC 490 Upper Level Special Topics on Convolutional Neural Networks and Applications

SPRING EVEN (2026)

COSC 330 OOD, GUI and Event-driven Program.
 COSC 385 Directed Study – Interview Preps
 COSC 370 Computer Networks
 COSC 490 Upper Level Special Topics on Large Language Models and Applications
 COSC 490 Upper-level Special Topics on How to start up a start-up?
 COSC 495 Directed Consulting (CAMS)

FALL EVEN (2026)

COSC 411 Artificial Intelligence
 COSC 420 High Performance Computing
 COSC 451 Robotics
 COSC 472 Network Security
 COSC 490 Upper Level Special Topics on Convolutional Neural Networks and Applications

SPRING ODD (2027)

COSC 330 OOD, GUI and Event-driven Program.
 COSC 370 Computer Networks
 COSC 422 Programming Languages
 COSC 4XX Large Language Models and Applications

ON DEMAND

COSC 116 Introduction to Computer Systems
 COSC 119 Introduction to Web Development
 COSC 290 Introductory 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