

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)

<p>EVERY SEMESTER</p> <p>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</p>

<p>FALL ODD (2027)</p> <p>COSC 411 Artificial Intelligence COSC 420 High-Performance Computing COSC 472 Network Security COSC 413/513 Convolutional Neural Network and Application</p>	<p>SPRING EVEN (2028)</p> <p>COSC 290 (FYS-CS0) Special Topic: Generic AI for Everyone COSC 330 OOD, GUI and Event-driven Programming COSC 370 Computer Networks COSC 412/512 Large Language Models and Applications COSC 495 Directed Consulting (CAMS)</p>
<p>FALL EVEN (2028)</p> <p>COSC 411 Artificial Intelligence COSC 420 High Performance Computing COSC 451 Robotics COSC 472 Network Security COSC 413/513 Convolutional Neural Network and Application</p>	<p>SPRING ODD (2029)</p> <p>COSC 290 (FYS-CS0) Special Topic: Generic AI for Everyone COSC 330 OOD, GUI and Event-driven Programming COSC 370 Computer Networks COSC 422 Programming Languages COSC 412/512 Large Language Models and Applications</p>

<p>ON DEMAND</p> <p>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</p>
