COMPUTER SCIENCE BS 2025-2026

First Year

CSCI 141 Computer Science I	MATH 181 Calculus I	Gen Ed 1st Year Writing Course _____	Gen Ed Artistic Perspective _____	Gen Ed Global Perspective _____	YOPS 10 RIT 365
CSCI 142 Computer Science II (CSCI 141 with C- or higher)	MATH 182 Calculus II (MATH 181 with C- or higher)	MATH 190 Discrete Mathematics for Computing (MATH 182 co-req.)	Gen Ed Ethical Perspective _____	Gen Ed Social Perspective _____	Wellness Activity _____

Second Year

CSCI 243 The Mechanics of Programming (CSCI 142 with C- or higher)	CSCI 262 Introduction to Computer Science Theory (CSCI 141, MATH 190)	MATH 251 Probability and Statistics (MATH 182)	Lab Science 1 _____	Gen Ed Elective _____	CSCI 99 Co-op Seminar
CSCI 261 Analysis of Algorithms (CSCI 243, CSCI 262)	SWEN 261 Introduction to Software Engineering (CSCI 142)	MATH 241 Linear Algebra (MATH 190)	Lab Science 2 _____	Gen Ed Sci. Princ. Perspective _____	Wellness Activity _____

Summer Co-op (CSCI 488)

Third Year

CSCI 331 Introduction to Artificial Intelligence (CSCI 243, MATH 251)	CSCI 320 Principles of Data Management (CSCI 142, MATH 190)	CSCI 250 Concepts of Computer Systems (CSCI 243, MATH 190)	Open Elective _____	Gen Ed Immersion _____

Semester Co-op (CSCI 499)

Fourth Year

CSCI 251 Concepts of Parallel and Distributed Systems (CSCI 243)	CS Elective _____	CSCI 344 Programming Language Concepts (CSCI 243, MATH 190)	Open Elective _____	Gen Ed Immersion _____
CS Elective _____	CS Cluster Elective _____	Open Elective _____	Open Elective _____	CSCI 472 Historical & Current Perspectives in CS 4th or 5th year standing

Fifth Year

Semester Co-op (CSCI 499)

CS Cluster Elective _____	Gen Ed Immersion _____	Gen Ed Elective _____	Open Elective _____	Open Elective _____

Computer Science/Software Engineering
Math
General Education
Science
Open Elective
First Year Requirement
Wellness
Co-op

Prerequisites: shown in parenthesis under course name
Writing Intensive Courses: 3 are required: 1st year = URWT 150/ISTE 110 + 1 Gen Ed course + program specific (CSCI 472 Historical & Current Perspectives in Computer Science)
Lab Sciences: only specific sequences are allowed in Biology, Chemistry or Physics; please see the CS handbook
Perspectives: Lab Science 1 fulfills the required Natural Science Inquiry Perspective; the Calculus sequence fulfills the required Mathematical Perspectives