Name _____
Advisor _____

BS Computer Science - 120 Credits Required

A minimum of 30 credits must be taken at WCSU.
A minimum cumulative GPA of 2.0 is required.
Complete a foreign language at an elementary II level, above. Students who have completed three years of language in high school with at least a 'C' average have satisfied this requirement. Consult your advisor. (IC)

Part 1: General Education Competency Requirements

Students must complete each of the competencies listed below. In addition, students must complete 3 of the competencies a second time excluding First Year (FY), WRT 101 (WI), Writing Intensive Tier II (W2) and Writing Intensive Tier III (W3).

Creative Process (CP)		
Critical Thinking (CT)		
Oral Communication (OC)		
Health and Wellness (HW)		
Scientific Inquiry (SI)		
Intercultural Competence (IC)		
Information Literacy (IL)	PHI 227	
First Year Experience (FY)		
Culminating Experience (CE)		
Writing Course (WRT 101)		
Writing Intensive II (W2)		
Writing Intensive III (W3)		
Quantitative Reasoning (QR)	MAT 141	

Part 2: General Education Exploration

40 credits are required.

WRT 101 Composition I: Habits of Writing _____

PHI 227 Ethics in Computing (IL, W2) _____

Choose from 1 of the following: MAT 181 or MAT 170 and MAT 171

MAT 181 Calculus I (QR) _____

MAT 170 and 171 Calculus with pre-calculus (QR) _____ _____

Choose 2 courses (at least 7 credits) from the following Lab Sciences. At least one course must have a Lab Component. AST 150, AST 231, BIO 103, BIO 104, CHE 110, CHE 111, CHE/ENV 205, ES 110, ES 210, MTR 150, MTR 230, MTR 240, PHY 110, PHY 111, PHY 121, PHY 122

_____ _____

23 CREDITS (20 IF MAT 170/171 TAKEN) IN CLASSES OUTSIDE MAJOR _____ _____ _____

_____ _____ _____

_____ _____

Part 3: Major in Computer Science

64 credits are required.
Minimum 2.5 major GPA
A minimum of 32 credits must be taken at WCSU.

CS 140 Intro to Programming _____
CS 170 Language C++ _____
CS 221 Object,iented Programming and Data Structures _____
CS 205 Data Modeling & Database Design _____
CS 215 Computer Organization & Architecture _____
CS 240 Software Organization _____
CS 305, 350 or 360 Software Engineering Elective _____
CS 315 Design and Analysis of Algorithms _____
CS 355 Programming Languages _____
CS 450 Operating Systems _____
MAT 222 Introductory Statistics _____
MAT 141 Foundational Discrete Mathematics (QR) _____
MAT 304 Discrete Mathematics for Computer Science _____
CS 359, MAT 359 Introduction to Theory of Computation _____
12 Credits in Computer Science Electives: CS 235, 245, 265, 270, 285, 297, 298, 299, 305, 330, 340, 350, 351, 357, 360, 385, 399, 410, 444, 484, 990, MAT 182, 272 or 356 _____

Part 4: 16 Credits of General Electives

_____ _____ _____

_____ _____ _____