Computer Science Major Plan (CSMaP)

Name: _____ **Expected graduation year:** _____

Instructions: Complete this form with the help of a CS professor. They will inform you of the next steps.

Foundational Courses: Must complete by the end of the sophomore year.

Course	Prerequisite(s)	Term	Year
Intro to CS course (CSCI 121, CSCI 125, or permission of program director)	121: None 125: Calculus I		
CSCI 221: Intro to Data Structures in C++	Intro to CS or equivalent		
MATH 220: Elementary Linear Algebra	CSCI 221 or Calculus I		

Required Courses: Generally completed by end of junior year, perhaps 1 for senior year.

Course	Prerequisite(s)	Term	Year
CSCI 241: Hardware Design	CSCI 221		
CSCI 251: Software Design	CSCI 221		
CSCI 263: Ethical Issues in Software Design	CSCI 251		
MATH 234: Discrete Math Reasoning	CSCI 221 || Calculus II		
CSCI 353: Analysis of Algorithms	CSCI 251 && MATH 234		

Electives: Complete 3, at least 1 must be 300-level

   Designated: Must complete at least 2 of these

Course	Prerequisite(s)	Term	Year
CSCI 273: Operating Systems	CSCI 241 && CSCI 251		
CSCI 276: Programming Languages	CSCI 251		
CSCI 3??: Artificial Intelligence	CSCI 251 && MATH 234		
CSCI 333: Theory of Computation	MATH 234		

Other Electives Include:

Course	Prerequisite(s)	Term	Year
CSCI 200 or CSCI 300: Topics in CS	varies		
CSCI 284: Mobile Computing Applications	CSCI 251		
CSCI 336: Logic Programming	CSCI 251		
CSCI 356: Parallel and Distributed Systems	CSCI 241 && CSCI 251		
CSCI 390 or CSCI 391: Senior Capstone	CSCI 263 && CSCI 353		
MATH 282: when Computational Geometry			
MSCS 341: Algorithms for Decision Making	CSCI 251 || MATH 220 || STAT 272		
PHYS 246: Electronics	PHYS 125 || PHYS 131		

Student Signature: _____ **Date:** _____

Faculty Signature: _____ **Date:** _____

CS Director Signature: _____ **Date:** _____