CS CHECKLIST (ARTS - for students matriculated prior to Fall 2024)

Degree Date (expected)

Name:

E-mail: Cornell ID:

	Term	GPA	Term	GPA	Term	GPA
CUMULATIVE GPA: _____						

COLLEGE REQUIREMENTS

Course	Cr	Sem	Gr	Advising Notes
FWS				**Freshman Writing Seminars**
FWS				
Lang				**Foreign Language requirement**
Lang				
Lang				(see Courses of Study)

CS CORE

Course	Cr	Sem	Gr	Advising Notes
CS 2800 or 2802	4			Discrete Structures. Pre: CS 1110 or 1112
CS 3110	4			Data Structures & Functional Programming Pre: CS 2110 Co: CS 2800
CS 3410 or 3420	4			Digital Systems. Pre: CS 2110 (for 3410) or ENGRD 2300 (for 3420)
CS 4410 or 4414	3			Operating Systems. Pre: CS 3410 or 3420.
CS 4820	4			Theory of Algorithms. Pre: CS 2800 and 3110

A&S DISTRIBUTION REQUIREMENTS

Distribution Area		Complete	Course (at least 8 unique courses)
Arts, Literature, & Culture	ALC-AS		
Biological Sciences	BIO-AS		
Ethics and the Mind	ETM-AS		
Global Cititenship	GLC-AS		
Historical Analysis	HST-AS		
Physical Sciences	PHS-AS		
Social Difference	SCD-AS		
Social Sciences	SSC-AS		
Statistics and Data Science	SDS-AS		
Symbolic and Mathematical Reasoning	SMR-AS		

ELECTIVES

Course		Cr	Sem	Gr	Advising Notes
CS		3+			**CS Electives:** Select three non-core CS 4000+ level courses (3+ credits) . CS 4090, CS 4998, and CS 4999, NOT allowed. CS 3700 or CS 3780 allowed (if CS 4700 or CS 4780, respectively, not already completed)
CS		3+			
CS		3+			
CS	Project	2+			**CS Project:** practicums (CS 4xx1) or 3152, 4152, 4154, 4740, 4752, 5150, 5152, 5412, 5414, 5431, 5625, 5643
	Tech				**Technical Electives:** 3000+ (3+ crs) courses with qualifyig prereq. See: https://www.cs.cornell.edu/undergrad/csmajor/technicalelectives for list of qualifying prerequisites.
	Tech				
	Tech				At most two CS 4999. At most one 2000+ level allowed
	Spcl				**External Specialization:** Three 3000+ courses (3+ crs) from same subject area. The following courses are *not allowed*: CS courses and courses parented by CS, LING 4474, INFO 3300, INFO 4300, & INFO 5300.
	Spcl				
	Spcl				SPCL: _____
	MAJ				**Major Approved Elective:** At least 3 credit hours total. All academic courses count. *No* PE courses or courses explicitly noted by the College of Arts and Sciences as non-academic credits allowed

Extra Courses (not required)

"X" to left of course signifies course is on transcript & satisfies requirement

MATHEMATICS and INTRO CS REQUIREMENTS

Course		Cr	Sem	Gr	Advising Notes
MATH 1110		4			**Calculus Requirement**
MATH 1120/1220		4			Math 1910 -1920 -2940 is also acceptable
MATH 2210		4			
CS 1110 or 1112		4			**Introductory Programming**
CS 2110 or CS 2112		4			

☐ PROBABILITY COURSE: One of BTRY 3080, CS 4850, ECE 3100, ECON 3130, ENGRD 2700 or MATH 4710 (Taking a 3000+ level course strongly recommended.)

Double Counting: No course may be used to satisfy two or more requirements except those used for the breadth requirements, or (in some cases) courses in the Specialization may be counted as Arts College distributions.

_____
Notes: PE = _____ of 2

CS HONORS CANDIDATE? ☐ YES

Course	Cr	Sem	Gr
CS 4999	3+		
CS 4999	3+		
CS 5000+	3+		

SUBJECT TO CHANGE

NOTE: Students are responsible for meeting the 120 credit minimum with 100 credits from A&S coursework. Your progress towards A&S requirements can be tracked via your DUST report (see https://as.cornell.edu/for-current-students).

IMPORTANT: *Courses for the CS Core (including CS/ENGRD 2110/2112), CS Electives, CS Project, CS probability requirement, Technical Electives, and External Specialization must be taken for a letter grade. Minimum grade = C- once affiliated. Prior to affiliation, minimum grade in all critical CS and math courses = C.*