CS CHECKLIST (ARTS - for students matriculated in Fall 2024 or later)

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)

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 Citizenship	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		

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			

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

SUBJECT TO CHANGE

IMPORTANT: _Courses for the CS Core (including CS/ENGRD 2110/2112), CS Electives, CS Project, 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._

CS CORE

Course	Cr	Sem	Gr	Advising Notes
CS 2800 or 2802	4			Mathematical Foundations of Computing. 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 3700 or CS 3780	3+			AI / ML. Pre: CS 2110 & (for 3700: CS 2800), (for 3780: prob, lin alg)
CS 4410 or 4414	3			Operating Systems. Pre: CS 3410 or 3420.
CS 4820	4			Theory of Algorithms. Pre: CS 2800 and 3110

ELECTIVES

Course		Cr	Sem	Gr	Advising Notes
CS		3+			**CS Electives:** Select two non-core CS 4000+ level courses (3+ credits) . CS 4090, CS 4998, and CS 4999, NOT allowed. CS 3700 or CS 3780 allowed (as long as not used in CS core).
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
	Tech				of qualifying prerequisites.
	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)

CS HONORS CANDIDATE? ☐ YES

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

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).