

CS CHECKLIST (ENGINEERING)

Name:

E-mail:

Cornell ID:

Degree Date (expected)

Term	GPA	Term	GPA	Term	GPA

DRAFT

CUMULATIVE GPA:

COLLEGE REQUIREMENTS					
Course	Cr	Sem	Gr	Advising Notes	
FWS				Freshman Writing Seminars	
FWS					
Lib Stds				Liberal Studies: 6 courses; min. 18 cr 2 courses must be 2000-level or higher. Courses must be chosen from at least three of the six groups: Cultural Analysis (CA), Historical Analysis (HA), Literature & the Arts (LA), Knowledge, Cognition, & Moral Reasoning (KCM), Social & Behavioral Analysis (SBA), Foreign Language (FL), Engineering Communications (CE)	
Lib Stds					
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MATH 1910	4			Calculus Requirement	
MATH 1920	4				
MATH 2940	4				
PHYS 1112	4				
PHYS 2213	4				
CHEM 2080 or PHYS 2214 ¹	4				
CHEM 2090	4				
CS 1110, 1112, 1114, or 1115	4			Introductory Programming	
CS/ENGRD 2110 or 2112				Distribution Requirements	
D2					D2=EngrD
D3					D3= EngrI (Intro to Engr)

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

No double counting: No course may be used twice in College Requirements, CS Core, or Electives (e.g. ENGRD 2700 may **not** be used toward the EngrD distribution *and* as a Technical Elective.)

Notes: PE = 0 of 2

¹ Note: Students can substitute BTRY 3080, CHEM 2150 (with AP credit for CHEM 2090), ECON 3130, MATH 2930, MATH 4710, PHYS 2218

SUBJECT TO CHANGE

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.

CS CORE				
Course	Cr	Sem	Gr	Advising Notes
CS 2800	3			Discrete Structures. Pre: CS 1110 or 1112 or 1114 or 1115
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	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 three non-core CS 4000+ level courses (3+ credits). CS 4090, CS 4998, and CS 4999, NOT allowed.
CS	3+			
CS	3+			
CS Project	2+			CS Project: practicums (CS 4xx1) or 3152, 4152, 4154, 4752, 5150, 5152, 5412, 5414, 5431, 5625, 5643
Tech				Technical Electives: 3000+ (3+ crs) from application areas: CS; Bio; Chem; Math; Econ; etc. [only one of ENGRD 2700 or MATH 2930 accepted] At most two CS 4999. For other Indep. Studies, see 110 Gates
Tech				
Tech				
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, courses numbered 10xx, or ROTC courses below the 3000-level allowed
APRV				Advisor Approved Electives: At least 6 credit hours total. All academic courses count. No PE courses, courses numbered 10xx, or ROTC courses below the 3000-level allowed
APRV				

Extra Courses (not required)				
Course	Cr	Sem	Gr	

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

CS HONORS CANDIDATE? <input type="checkbox"/> YES			
Course	Cr	Sem	Gr
CS 4999	3+		
CS 4999	3+		
CS 5000+	3+		