

CS CHECKLIST (ENGINEERING)

Degree Date (expected)

Name: _____ Gender: male female
 E-mail: _____ Cornell ID: _____
 Advisor: _____

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 crs must be 200-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
Lib Stds				
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MATH 1910	4			Calculus Requirement Math 1110-1120/1220-2210 is also acceptable
MATH 1920	4			
MATH 2940	4			
PHYS 1112	4			
PHYS 2213	4			
CHEM 2080 or PHYS 2214	4			
CHEM 2090 ¹	4			
CS 1110 or 1112 or 1113 or 1114				Introductory Programming
CS 1130 or 1132 ²				
CS/ENGRD 2110 ³				Distribution Requirements D2=EngrD D3= EngrI (Intro to Engr)
D2				
D3				

- TECHNICAL WRITING COURSE:
- PROBABILITY COURSE: One of BTRY 4080, ECE 3100, ECON 3190, 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 = _____

¹Note: Students can receive credit for Chem 207 or Chem 211 if taken before Fall 2007. Students must enroll in Chem 2090 after Summer 2007.

²Note: Students entering in Fall 2007 and beyond are required to take CS 1130 or CS 1132.

³Note: The CS Department expects to offer a 4-credit intensive alternative in the future, possibly by spring 2010.

⁴Note: Students that took CS 280/2800 prior to Spring 2009 must take CS 381/3810.

SUBJECT TO CHANGE

CS CORE				
Course	Cr	Sem	Gr	Advising Notes
CS 2800 ⁴	3			Discrete Structures. Pre: CS 1113 or 1110 or 1112 or 1114
CS 3110	4			Data Structures and Functional Programming Pre: CS 2110
CS 3410 or 3420	4			Digital Systems. Pre: CS 2110
CS 4410	3			Operating Systems.Pre:CS 3420 or 3410.
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 381/3810 allowed and CS/ENGRD 3220 also accepted unless CS 4210/MATH 4250 also applied. CS 4999 NOT allowed. CS Project: 4121,4321,4411,4450,4621,4701,5150,5410,5450,6670
CS	3+			
CS	3+			
CS Project	2+			
Tech				Technical Electives: 3000+ (3+ crs) from application areas: CS; Bio; Chem; Math; Econ; Psych; etc. [only one of ENGRD 2700 or MATH 2930 accepted] At most two CS 4999. For other Indep.Studies, see 303 Upson
Tech				
Tech				
Spcl				External Specialization: Three 3000+ courses (3+ crs) from same subject area. CS courses, LING 4474, INFO 4302, INFO 3300, INFO 4300, & INFO 5300 are not eligible. SPCL: _____
Spcl				
Spcl				
MAJ				Major Approved Elective: At least 3 credits total; anything approved by advisor
APRV				Advisor Approved Electives: At least 6 credits total; anything approved by advisor
APRV				

Extra Courses				

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

VECTOR(s): All CS majors must complete at least one vector.

Information about each vector is available at:

www.cs.cornell.edu/degreeprogs/ugrad/CSMajor/Vectors/index.htm

Vector Name :	VECTOR NAME	Completed?	Yes or No
	VECTOR NAME	Completed?	Yes or No
	VECTOR NAME	Completed?	Yes or No