

# CS CHECKLIST (ARTS)

Name: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Advisor: \_\_\_\_\_

Gender: male female  
 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				
				5 courses (3+ credits) one from each of 4 different categories:  Cultural Analysis (CA), Historical Analysis (HA), Knowledge, Cognition, & Moral Reasoning (KCM), Literature and the Arts (LA), Social & Behavioral Analysis (SBA) (see Courses of Study)
Lang				Foreign Language requirement  (see Courses of Study)
Lang				
Lang				

Geographical Breadth (@)

Historical Breadth (#)

MATHEMATICS AND SCIENCE REQUIREMENTS				
Course	Cr	Sem	Gr	Advising Notes
PBS				PBS= Physical/Biological Sciences (see Courses of Study)
PBS				
MATH 1110	4			Calculus Requirement  Math 1910 -1920 -2940 is also acceptable
MATH 1120/1220	4			
MATH 2210	4			Introductory Programming
CS 1110 or 1112 or 1113 or 1114	4			
CS 2110 <sup>1,2</sup>	3			

PROBABILITY COURSE: One of BTRY 4080, ECE 3100, ECON 3190, 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 = \_\_\_\_\_

<sup>1</sup>Note: Java or C++ experience necessary. Students that took CS 1112 or CS 1114 - who have no prior experience in Java or C++ - should take CS 1130 (Transition to Java).

<sup>2</sup>Note: The CS Department expects to offer a 4-credit intensive alternative in the future, possibly by spring 2010.

<sup>3</sup>Note: 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 <sup>3</sup>	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+			<b>CS Electives:</b> 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	3+			
CS	3+			<b>CS Project:</b> 4121,4321,4411,4450,4621,4701,5150,5410,5450,6670
CS	Project	2+		
Tech				<b>Technical Electives:</b> 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				<b>External Specialization:</b> 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				<b>Major Approved Elective:</b> At least 3 credits total; anything approved by advisor
Free				15 credits (Arts Electives) <b>NO CS courses eligible</b>
Free				
Free				
Free				
Free				

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](http://www.cs.cornell.edu/degreeprogs/ugrad/CSMajor/Vectors/index.htm)

<b>Vector Name :</b> _____	VECTOR NAME	Completed?	Yes or No
_____	VECTOR NAME	Completed?	Yes or No
_____	VECTOR NAME	Completed?	Yes or No