Computer Science
~ BA AFFILIATION PROCEDURES~

1) **READ** and familiarize yourself with the Undergraduate Web Site:

http://www.cs.cornell.edu/degreeprogs/ugrad/index.htm

Use worksheets and other materials to document your degree progress and map out possible course choices for completing the remaining degree requirements of the major. We expect ALL CS majors to read the "Announcements" page to keep current on matters affecting the major.

2) In pencil, fill out attached **DEGREE CHECKLIST** and **BACKGROUND FORM**. Degree checklists should include past, current and future courses. Be as specific as you can be on courses for the External Specialization, and the CS and Technical Electives. A sample checklist is included on other side of this page to give an idea of how to fill out the checklist.

3) You will need an **UNOFFICIAL TRANSCRIPT** *(printable from Student Center/JTF).*

4) Completed affiliation materials should be **TURNED IN** to the CS Advising Coordinator in 303 Upson. *(first semester sophomores are not typically admitted until their fall grades become available).* You will be notified via email whether or not you have been accepted to the major. If accepted, you will be assigned a faculty advisor and his/her name will be included in the same message.

5) **MEET** your new advisor, introducing yourself as a "new advisee." Be prepared to discuss your academic program and career plans. *(We do NOT recommend just dropping by, try calling or emailing first; if unsuccessful, ask to speak to your advisor's administrative assistant).*

6) **CREATE** a password for your CS lab account (if you do not already have a lab account through one of your CS courses). Once accepted to the CS major, a CSUGLab account will be created for you within 2-3 weeks of the time that you are accepted into the major. Your account will remain active for the duration of your undergraduate career as a CS major.

You are expected to read and consult the Ugrad Web Site on a regular basis for updates and information about the major. You will find answers to almost all of your questions about the major in the website. Should you require further assistance, please visit us in 303 Upson or email us at <ugrad@cs.cornell.edu>.

CS CHECKLIST (ARTS)

Name: Susie Student Gender: male (female)

E-mail: ss1@cornell.edu Cornell ID: 1111111

Advisor: _____

Degree Date (expected)

Term	GPA	Term	GPA	Term	GPA

DRAFT

CUMULATIVE GPA: _____

COLLEGE REQUIREMENTS

Course		Cr	Sem	Gr	Advising Notes
ENGL 13302	FWS	3	F07	A	**Freshman Writing Seminars**
	FWS				
ENGL 3110	LA	4	S08	B	**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)
HIST 999			-	AP	
ENGL 1110		4	F07	B	
SPAN 1000	Lang	4	F08	A-	**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	–	AP	**Calculus Requirement** Math 1910 -1920 -2940 is also acceptable
MATH 1120/1220	4	F07	A	
MATH 2210	4			
CS 1110 or 1112 or 1113 or 1114	4			**Introductory Programming**
CS 2110	3	F08		

☐ 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 =

[1]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).

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

[3]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[3]	3	S08	A-	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	F08		Digital Systems. Pre: CS 2110
CS 4410	3			Operating Systems.Pre:CS 3420 or 3410.Coreq:CS 4411 (spring only
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	3+			
CS	3+			
CS Project	2			**CS Project:** 4121,4321,4411,4450,4621,4701,5150,5410,5450,6670
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]
Tech				At most two CS 4999. For other Indep.Studies, see 303 Upson
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
Free				15 credits (Arts Electives) **NO CS** courses eligible
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

Vector Name : VECTOR NAME Completed? Yes or No

CS CHECKLIST (ARTS)

Name: _____ Gender: male female

E-mail: _____ Cornell ID:

Advisor: _____

Degree Date (expected)

Term	GPA	Term	GPA	Term	GPA

CUMULATIVE GPA: _____

DRAFT

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**
Lang				
Lang				(see Courses of Study)

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			
CS 1110 or 1112 or 1113 or 1114	4			**Introductory Programming**
CS 2110[1, 2]	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 =

[1]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).

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

[3]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
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CS	3+			
CS	3+			
CS Project	2+			**CS Project:** 4121,4321,4411,4450,4621,4701,5150,5410,5450,6670
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				
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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
Free				15 credits (Arts Electives) **NO CS** courses eligible
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.

See 'Declaration of Vector' form for details about vectors and to declare your vector.

Vector Name : VECTOR NAME Completed? Yes or No

VECTOR NAME Completed? Yes or No

BACKGROUND INFORMATION FORM

{Please fill out completely}

NAME: CLASS OF (mon/yr) Engr/Arts

Permanent Mailing Address/Phone # (home):
High School Attended:
Campus Address/Phone #

*Please keep the ugrad office informed of any address changes

Citizenship Status: USA Other_____

Ethnic Code*: Af Amer Nat Amer Hisp Asian Cauc Other_____

ACSU Member?: Yes No Maybe http://acsu.cornell.edu

Engineering Coop?: Yes No Maybe If yes, where?:_____

Double Major?: Yes No Maybe Other major?:_____
CS primary major? YES NO

What area/field of study will your EXTERNAL SPECIALIZATION be in? _____

What classes do you plan on using for your EXTERNAL SPECIALIZATION? _____

What courses might you use for your field Technical electives? _____

What CS 4000+ level courses are you likely to take? _____

What course are you likely to use for the 2-credit CS project requirement? _____

What course might you take to fulfill the STATISTICS/PROBABILTY requirement? _____

Which VECTOR(s) might you pursue? _____

Career Planning/Interests:

Graduate School Plans:

Research Interests/Activities:

Activities, Related Employment, Awards, Distinctions:

* Ethnic code information is optional and is used primarily for record-keeping and field tallies.