

# *Computer Science*

## *~ BS 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 (ENGINEERING)

Degree Date (expected) 5/2012

Name: Susie Student  
 E-mail: ss1@cornell.edu  
 Advisor: \_\_\_\_\_

Gender: male female  
 Cornell ID: 1111111

Term	GPA	Term	GPA	Term	GPA
F08	3.39	F09			
S09	3.23				

**DRAFT**

CUMULATIVE GPA: 3.303

COLLEGE REQUIREMENTS					Advising Notes
Course	Cr	Sem	Gr		
ENGL 1302	FWS	3	F08	A	Freshman Writing Seminars
ENGL 9999	FWS	3	-	AP	
ENGL 3110	LA	4	F08	B	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.
ECON 1110	SBA	3	S09	B+	
HIST 9999 (US)	HA	4	-	AP	Cultural Analysis (CA), Historical Analysis (HA), Literature & the Arts (LA), Knowledge, Cognition, & Moral Reasoning (KCM), Social & Behavioral (SBA), Foreign Language
HIST 9999 (EURO)	HA	4	-	AP	
Lib Stds					
Lib Stds					
MATH 1910		4	-	AP	Calculus Requirement Math 1110, 120/1220-2200 also acceptable
MATH 1920		4	F08	B+	
MATH 2940		4	S09	B	
PHYS 1112		4	-	AP	
PHYS 2213		4	S09	B	
PHYS 2214 or CHEM 2080		4			
CHEM 2090		4			
CS 1110 or 1112 or 1113 or 1114		4	-	AP	Introductory Programming
CS 1130 or <u>1132**</u>		1	S09	SX	
CS 2110		3	F08	B+	Distribution Requirements
ENGRD 2700	D2	3	F09		D2=EngrD
ENGR1 1220	D3	3	S09	B+	D3= Engr1 (Intro to Engr)

- 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 = 2

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

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

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

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

**SUBJECT TO CHANGE**

CS CORE					Advising Notes
Course	Cr	Sem	Gr		
CS 2800 <sup>4</sup>	3	S09	A-		Discrete Structures. Pre: CS 1113 or 1110 or 1112 or 1114
CS 3110	4	F09			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					Advising Notes
Course	Cr	Sem	Gr		
CS Electives	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	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					
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					
CS 2111	MAJ	1	F08	A-	Major Approved Elective: At least 3 credits total; anything approved by advisor
CS 2024		2	F09		
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](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
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# 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
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FWS				
Lib Stds				<b>Liberal Studies:</b> 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
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MATH 1920	4			
MATH 2940	4			
PHYS 1112	4			
PHYS 2213	4			
CHEM 2080 or PHYS 2214	4			
CHEM 2090 <sup>1</sup>	4			
CS 1110 or 1112 or 1113 or 1114				<b>Introductory Programming</b>
CS 1130 or 1132 <sup>2</sup>				
CS/ENGRD 2110 <sup>3</sup>				<b>Distribution Requirements</b>  D2=EngrD D3= EngrI (Intro to Engr)
D2				
D3				

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CS	Project	2+		
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Spcl				
Spcl				
MAJ				<b>Major Approved Elective:</b> At least 3 credits total; anything approved by advisor
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<b>Vector Name :</b>	VECTOR NAME	Completed?	Yes or No
	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/PROBABILITY 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.