

An example achieving **three** vectors

- AI ○ data-intensive □ Renaissance/basis

Colors indicate scheduling: **sophomore** **junior** **senior**

(Other example triples include systems/code warrior/Renaissance, etc.)

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 1920	4			Math 1110-1120/1220-2210 is also acceptable
MATH 2940	4			
PHYS 1112	4			
PHYS 2213	4			
PHYS 2214 or GHEM 2080	4			
CHEM 2090 ¹	4			
CS 1113 or 1110 or 1112 or 1114	4			Introductory Programming
CS 1130 or 1132 ²	1			
CS/ENGRD 2110 ³	3	FA		Distribution Requirements
ENGRD 2700	D2	SP		D2=EngrD
	D3			D3= EngrI (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, CSCore, or Electives (e.g. ENGRD 2700 may not be used toward the EngrD distribution 'and' as a Technical Elective.)

Notes: PE = ____

¹ 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.
² Note: Students entering in Fall 2007 and beyond are required to take CS 1130 or CS 1132.
³ Note: The CS Department expects to offer a 4-credit intensive alternative in the future, possibly by spring 2010.
⁴ 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 ⁴	3	FA		Discrete Structures. Pre: CS 1113 or 1110 or 1112 or 1114
CS 3110	4	SP		Data Structures and Functional Programming Pre: CS 2110
CS 3410 or 3420	4	FA		Digital Systems. Pre: CS 2110
CS 4410	3	FA		Operating Systems. Pre: CS 3420 or 3410.
CS 4820	4	SP		Theory of Algorithms. Pre: CS 2800 and 3110

ELECTIVES					
Course	Cr	Sem	Gr	Advising Notes	
CS 4700	3+	FA	<input checked="" type="checkbox"/>	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 4302	3+	SP	<input type="checkbox"/>		
CS 4740	3+	SP	<input checked="" type="checkbox"/>		
CS 4701	Project	2+	FA	<input checked="" type="checkbox"/>	CS Project: 4121,4321,4411,4450,4821,4701,5150,5410,5450,8870
CS 4320	Tech	FA	<input type="checkbox"/>	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	
CS 5300	Tech	SP	<input type="checkbox"/>		
CS 4780	Tech	SP	<input checked="" type="checkbox"/>		
LING 3xxx	Spcl	FA	<input checked="" type="checkbox"/>	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: _____	
LING 3xxx	Spcl	SP	<input type="checkbox"/>		
	Spcl				
CS 4321	MAJ	2	FA	<input type="checkbox"/>	Major Approved Elective: At least 3 credits total; anything approved by advisor
CS 2111	MAJ	1	FA	<input type="checkbox"/>	
CS 3220	APRV		SP	<input type="checkbox"/>	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.
 See 'Declaration of Vector' form for details about vectors and to declare your vector.
 Vector Name : _____ Completed? _____ Yes or No _____
 _____ Completed? _____ Yes or No _____
 _____ Completed? _____ Yes or No _____