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UNIVERSITY

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Computer Science Advising Checksheet BS CS (ENT) Students Entering Fall 2006 or later

General Education

Students must take the three courses shown in the box to the right. Most students take ENG 151 for their Freshman composition course and ENG 305J for the Junior Composition. All students must take a Tier III course (or equivalent). CS 456 is now considered a Tier III equivalent course. CS 456 will satisfy students Tier III requirement if taken Fall 2005 or later.

GENERAL ED.	
Fr. Comp.	_____
Jn. Comp.	_____
Tier III	_____

Option Requirement

All students are required to take one year of a foreign language. After that, students may take one additional year of the same or different language (Option L), EE 313, 314, 304 and MATH 340 (Option E), VICO 314, VICO 361, VICO 371, VICO 462 (Option G), or PBIO 114 or BIOS 170, PBIO 115 or BIOS 171, PBIO 331 or BIOS 325, and PBIO 427 (Option B). Options E, G, and B are intended to provide students with the necessary foundation courses for careers related to engineering (E), game design and development (G), or bioinformatics (B). International students, whose first language is not English, can satisfy two years of the language requirement by demonstrating competence in English normally through ENG 151. Two or three years of a foreign language taken in high school can be used to satisfy one year of the language requirement and four or more years of a language will satisfy two years of the language requirement.

Option Requirement				
Option L				
Language-Year 1		Language Year-2		
_____	111			_____
_____	112			_____
_____	113			_____
Option E				
Language-Year 1		Engineering Courses		
_____	_____		MATH 340	_____
_____	_____	and	EE 304	_____
_____	_____		EE 313	_____
			EE 314	_____
Option G				
Language-Year 1		Visual Communications		
_____	_____		VICO 314	_____
_____	_____	and	VICO 361	_____
_____	_____		VICO 371	_____
			VICO 462	_____
Option B				
Language-Year 1		Biology		
_____	_____		PBIO 114	_____
_____	_____		or BIOS 170	_____
_____	_____		PBIO 115	_____
			or BIOS 171	_____
			PBIO 331	_____
			or BIOS 325	_____
			PBIO 427	_____

This document is advisory and not an official statement of the requirements for a degree. Please see the undergraduate catalog for your official degree requirements.

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csadv2006.doc

Humanities and Social Sciences Distribution

The humanities and social sciences distribution requirements for CS students are identical to those in the College of Arts and Sciences. The natural sciences portion of the distribution requirement is automatically fulfilled with required courses. For both the humanities and social sciences areas, 18 credit hours must be taken with at least two courses from the same area and one course from a different area. In order to meet the Tier II requirement, courses from at least two of the three Tier II areas: Humanities (2H), Social Sciences (2S), or Third-world Cultures (2T), must be taken in the process of satisfying the humanities and social sciences distribution requirement. ENG 305J or ENG 308J, which satisfy the Junior composition requirement, can be used toward the humanities distribution requirement.

HUMANITIES & SOCIAL SCIENCES			
Hum: 18 hours Sequence 2nd Area		SS: 18 hours Sequence 2nd Area	
Course No.	Hours	Course No.	Hours
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Tier II: Includes 2 of 3 areas			
2H		2S	2T

Mathematics

Students are required to take five math courses, MATH 263A-D and 410.

MATHEMATICS			
MATH 263 A	_____	MATH 263 D	_____
MATH 263 B	_____	MATH 410	_____
MATH 263 C	_____		

Basic Science

Students must take a year-long sequence of either chemistry (CHEM 151, 152, and 153 or 123) or physics (PHY 251, 252, and 253). In addition to this, students must take one additional natural science course required for majors in that discipline. A list of approved courses is available in the Computer Science office. Students planning on completing Option E must take the physics sequence because PHY 253 is the prerequisite for EE 313.

BASIC SCIENCE			
CHEM		PHYS	
151	_____	251	_____
152	_____	or 252	_____
153/123	_____	253	_____
Additional Course	_____		_____

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CS and EE Courses

There are eleven required CS courses and three required EE courses which must be taken by all students. A bubble chart showing the sequence and prerequisites of the courses is available in the Computer Science office.

CS AND EE COURSES			
CS 240A	_____	CS 406	_____
CS 240B	_____	CS 442	_____
CS 240C	_____	CS 456	_____
CS 265	_____		
CS 300	_____	EE 102	_____
CS 320	_____	EE 371	_____
CS 361	_____	EE 395A	_____
CS 404	_____		

CS Technical Electives

Students must take four CS technical electives from the list of 12 courses on the right.

CS TECHNICAL ELECTIVES (Select 4 courses)			
MATH444	_____	MATH445	_____
EE 467	_____	EE 468	_____
CS 410	_____	CS 444	_____
CS 458	_____	CS 462	_____
CS 475	_____	CS 480	_____
CS 425	_____	CS 450	_____

Free Electives

Additional courses should be taken to reach the minimum of 192 hours. These courses are subject to the restrictions on courses applicable toward the total hours required for graduation.

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