

**B.S. in Computer Information Systems Requirements for Students Starting
Fall 2001 thru Spring 2004**

Student _____ ID _____ Full-time / Part-time _____

Science

Course	Hrs.	Semester
BIOL 107 or 115	3	
CHEM 124	4	
PHYS 123	4	
Total hours (14 hours minimum)		

Humanities

Course	Hrs.	Semester
HUM 100-level (C)	3	
(C)	3	
(C)	3	
	3	
Total hours (12 hours minimum)		

At least 6 hours must be at the 300-level or above.

Psychology

Course	Hrs.	Semester
PSYCH 221 (C)	3	
PSYCH 301 (C)	3	
Total hours (6 hours minimum)		

Social Sciences

Course	Hrs.	Semester
PS 200 (C)	3	
(C)	3	
	3	
Total hours (9 hours minimum)		

At least 3 hours must be at the 300-level or above.

Minor

Course	Hrs.	Semester
	3	
	3	
	3	
	3	
	3	
	3	
Total hours (15 hours minimum)		

Minor field _____

Mathematics

Course	Hrs.	Semester
MATH 151	5	
MATH		
Total hours (8 hours minimum)		

Computer Science

Course	Hrs.	Semester
CS 100 (C)	2	
CS 105	2	
CS 106	2	
CS330 or MATH230	3	
CS 331	3	
CS 350 (C)	3	
CS 351	3	
(C)	3	
(C)	3	
(C)	3	
(C)	3	
	3	
	3	
Total hours (39 hours minimum)		
15 hours CS Technical Electives (T)		

Interprofessional Projects

Course	Hrs.	Semester
IPOxxx (C)	3	
IPOxxx (C)	3	
Total hours (6 hours minimum)		

Free Electives

Course	Hrs.	Semester
	3	
	3	
	3	
	3	
	3	
	3	
Total hours		

Communications General Education Requirement - Minimum 42 hours of C courses, at least 15 in major courses and at least 15 in non-major courses. Place a C next to the courses used for Comm. Gen. Ed. Req.

Total hours (127 hours minimum) _____ Hours at the 300-level or above (60 hrs. min.) _____

Advisor _____ Date _____

Notes on the B.S. in Computer Information Systems for Students Starting **Fall 2001 - Spring 2004**

General note: Courses marked in the IIT Bulletin as not applying to graduation for degrees in "engineering and the physical sciences" may be used toward the B.S. in Computer Information Systems - either to fulfill requirements (where applicable) or as free electives.

Computer science electives: Any computer science course at the 300-level or higher (including graduate CS courses) except CS401, CS402, CS403 and CS406 may be used as a computer science elective. Any computer science course marked with a (T) in the IIT Bulletin may be used as a computer science technical elective. To fulfill the university Communications General Education requirement, at least four CS electives must be chosen from CS425, CS430, CS447, CS460, CS470, CS471, CS485, CS487, CS495-Info. Retrieval. ECE 218 (Digital Systems) and ECE441 (Microcomputers) may also be used as computer science technical electives. No courses from any other programs can be used as CS electives (for example, ICOM courses cannot be used as CS electives).

Mathematics electives: MATH230 cannot be taken as mathematics elective. Students usually take MATH221 or MATH152.

Science/engineering electives: The science elective may be chosen from any of the natural sciences (biology, chemistry, and physics).

Humanities electives: (English, History, Philosophy) Humanities course work (courses marked with an H in the IIT Bulletin) must include at least 6 hours at the 300-level or above. Note that foreign language courses at the 200-level may be used to satisfy the 300-level requirement. This substitution requires written approval from the student's faculty advisor. In Fall 2001, almost all courses which have been heretofore designated as English (ENGL in the catalog) are now going to be designated EITHER as Literature (LIT) or as Communication (COM) courses. All LIT and some COM courses carry the (H); and all LIT and all COM courses carry the (C).

Social sciences electives: (Economics, Political Science, Sociology, Psychology) Social sciences electives (courses marked with an S in the IIT Bulletin) must include at least 3 hours at the 300-level or above.

IPROs: We urge students to take at least one non-CS specific IPRO. One of the two required Inter-Professional Projects may be replaced for ROTC students (replaced with ROTC junior and senior required courses). Both of the two required Inter-Professional Projects might be replaced for full-time working students who can document interdisciplinary project work (replaced with CS elective and free elective). Co-Op cannot be used. A petition must be filed through the Undergraduate Dean.

Minor: (Required) A minor may be chosen from the specialized minors listed in the IIT Bulletin or may be formed from 15 hours of course work in one department. Note that the latter option requires written approval from both the student's faculty advisor and the minor department. Courses counted in another category may not be used toward the 15 credits hours required by a minor.

ROTC programs: ROTC programs are considered to be minors and satisfy the requirements for minors listed above.

Graduate and short courses: Undergraduates may enroll in a 500-level graduate course with permission from the student's faculty advisor. Undergraduates cannot enroll in short courses.

Communications General Education Requirement: Minimum 42 hours of "C" courses as marked in IIT Bulletin of Undergraduate Programs, at least 15 hours in major (chosen from CS100, CS350, CS425, CS430, CS447, CS460, CS470, CS471, CS485, CS487, CS495-Info. Retrieval), and at least 15 hours in non-major courses. Almost all Humanities and Social Science electives will count towards the communications requirement.

**B.S. in Computer Information Systems Sample Curriculum by Semester for Students Starting
Fall 2001 thru Spring 2004**

First semester		Second semester		Third semester		Fourth semester	
CS 100	2	CS 106	2	CS 330	3	CS 350	3
CS 105	2	Math elective	3	CS 331	3	CS tech. elective	3
MATH 151	5	BIOL 107 or 115	3	CHEM 124	4	PHYS 123	4
HUM 100-level	3	Humanities elective	3	PS 200	3	Minor	3
PSYC 221	3	Social sci. elective	3	Humanities elective	3	CS elective	3
15		14		16		16	
Fifth semester		Sixth semester		Seventh semester		Eighth semester	
CS 351	3	CS tech. elective	3	CS tech. elective	3	I PRO II	3
Science elective	3	PSYC 301	3	CS tech. elective	3	CS tech. elective	3
Minor	3	Minor	3	Minor	3	Minor	3
Free elective	3	I PRO I	3	Social sci. elective	3	Free elective	3
Free elective	3	Humanities elective	3	CS elective	3	Free elective	3
15		18		18		15	
						Total credit hours	127