Required Courses for Students Majoring in Computer Science and Information Engineering in the College of Electrical Engineering and Computer Science (applicable to students admitted in Fall 2008)

Academic Year Semester Course Titles	First Semester		Second Semester		Third Semester		Fourth Semester	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Common Required Courses (30)	Chinese (3)	Chinese (3)	History (2)					
	Foreign Languages (3)	Foreign Languages (3)						
	● 16 credit hours of General Education courses, of which one course must be from each of the following core areas: Humanities & Thought, Physical Science, Applied Science, and Social Thought & Phenomenon. The remaining courses may be General Education electives. ● One non-credit Physical Education course each semester of their first three academic years, two of which must be Freshman PE I and Freshman PE II. ● One non-credit Service Education course in the fall and spring semester of an academic year.							
Required Courses of the Department (66)	Calculus MA1003 (3)	Calculus MA1004 (3)	Discrete Mathematics CE2003 (3)	Programming Languages CE2004 (3)	Computer Organization CE3001 (3)	Operating System CE3002 (3)	Special Project in Computer Science CE4001 (2)	
	General Physics PH1001 (3)	General Physics PH1002 (3)	Data Structure CE2002 (3)	Probability and Statistics CE2006 (3)	Algorithmics CE3005 (3)	Special Project in Computer Science CE3008 (2)		
	General Physics Laboratory PH1003 (1)	General Physics Laboratory PH1004 (1)	Linear Algebra CE2005 (3)	Assembly Language and System Programming CE2012 (3)	Computer Network CE3007 (3)	Compiler Design CE3006 (3)		
	Intro to Computer Science I CE1001 (3)	Intro to Computer Science II CE1002 (3)		Intro to Digital Systems CE2008 (3)				
	Intro to Computer Science I Lab CE1003 (1)	Intro to Computer Science II Lab CE1004 (1)		Experiment of Digital Design CE2010 (1)				
		Engineering Mathematics CE1006 (3)						

Total Semester Credit Hours	17	20	9	13	9	8	2	0
Notes	1. The numerical figures in parentheses refer to course credit hours; the calculation of semester hours shall not include credit hours earned from General Education courses or History. 2. The total number of credit hours for required courses amounts to 96; the minimum number of earned credit hours required for graduation is 136. 3. Students are required to earn a minimum of 15 credit hours of elective courses offered by this Department or other departments within the College of Electrical Engineering and Computer Science before being permitted to graduate. 4. All first-year students are required to take Freshman English. 5. Before being permitted to graduate, students must demonstrate their English proficiency either by reaching a threshold score in one of the English proficiency tests recognized by the Language Center or by passing two semesters of Remedial English; credit hours thus earned may be counted toward the minimum number required for a baccalaureate degree (for details, refer to the University's *Implementation Procedures for Freshman Foreign Language Courses* and *Implementation Procedures for Remedial English Courses*). 6. Equivalent courses listed in the University's *College of Electrical Engineering and Computer Science Table of Course Equivalencies* may not be counted toward the minimum number of credit hours required for a baccalaureate degree. 7. Students are required to receive a passing grade in Service Education in accordance with the University's *Service Education Implementation Procedures* before being permitted to graduate.								