

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

Academic Year Semester	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)						
	<ul style="list-style-type: none"> ● 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 (57)	Calculus MA1003 (3)	Calculus MA1004 (3)	Electrical Circuits I EE2002 (3)	Electrical Circuits II EE2011 (3)	Electronics III EE3001 (3)			
	General Physics PH1001 (3)	General Physics PH1002 (3)	Electronics I EE2001 (3)	Electronics II EE2009 (3)	Electronic Circuits Laboratory III EE3047 (1)			
	General Physics Laboratory PH1003 (1)	General Physics Laboratory PH1004 (1)	Engineering Mathematics II EE2003 (3)	Electro-magnetics II EE2015 (3)	Signals and System EE3009 (3)			
	Intro to Computer Science I EE1003 (3)	Intro to Digital Systems EE2016 (3)	Electronic Circuits Laboratory I EE2027 (1)	Engineering Mathematics III EE2012 (3)				
		Engineering Mathematics I EE1001 (3)	Electro-magnetics I EE2004 (3)	Electronic Circuits Laboratory II EE2028 (1)				
		Digital Logic Circuit Laboratories EE1006 (1)						
Total Semester Credit Hours	16	20	13	13	7	0	0	0

Notes	<ol style="list-style-type: none"> 1. Students must take 18 credit hours of courses from courses marked with an asterisk (*) from the flow chart of course offerings; courses taken must be from all three categories. 2. Students must take nine credit hours of laboratory courses, one of which must be from each of the three categories in the flow chart before being permitted to graduate. 3. Students must also take 18 credit hours of electives offered by this Department or other departments within the College of Electrical Engineering and Computer Science before being permitted to graduate (the 18 credit hours referred to here are exclusive of the 18 credit hours and nine credit hours specified in Article 1 and 2). 4. The minimum number of earned credit hours required for graduation is 136, among which a maximum of six credit hours may be from Special Topic Courses (i.e., EE4004, EE4023, EE3045). 5. The calculation of semester hours shall not include credit hours earned from General Education courses or History. 6. First-year students may take Freshman English or other English courses offered by the English department to fulfill the University's foreign language course requirement. 7. Before being permitted to graduate, students must demonstrate their English proficiency 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 not be counted toward the minimum number required for a baccalaureate degree (for details, refer to the University's <i>Implementation Procedures for Freshman Foreign Language Courses</i> and <i>Implementation Procedures for Remedial English Courses</i>). 8. Students applying for a double major in Electrical Engineering must, in addition to following the relevant rules and regulations of the University, earn the course credit hours specified in Articles 1, 2, and 3 before being granted a double major. 9. Students wishing to waive undergraduate courses with graduate-level courses must follow the relevant rules and regulations of the Department. 10. Equivalent courses listed in the University's <i>College of Electrical Engineering and Computer Science Table of Course Equivalencies</i> may not be counted toward the minimum number of credit hours required for a baccalaureate degree. 11. Students are encouraged to take General Chemistry offered by the Department of Chemistry. 12. Students are required to receive a passing grade in Service Education in accordance with the University's <i>Service Education Implementation Procedures</i> before being permitted to graduate.
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