

Required Courses for Students Majoring in Civil Engineering in the College of Engineering (applicable to students admitted in Fall 2008)

Academic Year Semester Course Titles	First Year		Second Year		Third Year		Fourth Year	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Common Required Courses (30)	Chinese (3)	Chinese (3)	History (2)					
	Foreign Languages (3)	Foreign Languages (3)						
<p>●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.</p> <p>●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.</p> <p>●One non-credit Service Education course in the fall and spring semester of an academic year.</p>								
Required Courses of the College (14)	Calculus MA1003 (3)	Calculus MA1004 (3)				Engineering Ethics EG4002 (2)		
	Programming for Engineering EG1001 (3)	General Physics PH1022 (3)						
Required Courses of the Department (52)	Intro to Civil Engineering CI1002 (1)	General Physics Laboratory PH1024 (1)	Engineering Mathematics I CI2017 (3)	Engineering Mathematics II CI2018 (3)	*Reinforced Concrete CI3005 (3)	*Foundation Engineering CI3010 (3)	Case Report for Civil Engineering CI4001 (1)	
	Surveying CI1009 (3)	Applied Mechanics CI1008 (4)	Engineering Materials CI2005 (3)	Structural Theory I CI2019 (3)	Soil Mechanics I CI3003 (3)	Engineering Geology CI3040 (3)		
	Surveying Practice CI1010 (1)		Mechanics of Materials CI2004 (3)	Fluid Mechanics CI2011 (3)	*Transportation Engineering CI3011 (3)	*Construction Management CI4010 (3)		
			Engineering Statistics EG2001 (3)	*Environmental Engineering CI2020 (3)	Civil Engineering Experiments I CI3036(2)	Engineering Drafting and Drawing CI2007 (1)		
						*Hydrology CI3030 (3)		
						Civil Engineering Experiments II CI3037(2)		

Total Semester Credit Hours	17	17	12	12	8	11	1	0
Notes	<ol style="list-style-type: none"> 1. The numerical figures in parentheses refer to course credit hours. 2. The total number of credit hours for required courses amounts to 96; the minimum number of earned credit hours required for graduation is 128. Students are required to take at least four courses from those marked with an asterisk (*) before being permitted to graduate. 3. Students are required to earn a minimum of 21 credit hours of elective courses offered by this Department, including courses offered by the College of Engineering (i.e., courses whose titles start with EG), during their term of study at the University. 4. Students must take at least two of the following design courses before being permitted to graduate: CI3012, CI3028, CI3056, CI4024, CI4038, CI4040, CI4041, CI4060, CI6065, CI6069, CI6097, CI7036, CI7037, CI7089, CI7090. 5. The calculation of semester hours shall not include credit hours earned from General Education courses or History. 6. All first-year students are required to take Freshman English. 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 taking CI1008 Applied Mechanics are required to have received a grade of no less than 50 points before proceeding to CI2004 Mechanics of Materials; those taking CI2004 Mechanics of Materials are required to have received a grade of no less than 50 points before proceeding to CI2019 Structural Theory I; those taking MA1004 Calculus are required to have received a grade of no less than 50 points before proceeding to CI2017 Engineering Mathematics I; those taking CI2017 Engineering Mathematics I are required to have received a grade of no less than 50 points before proceeding to CI2018 Engineering Mathematics II. 9. 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. 							