MCTC Pre-Engineering Curriculum

(2012-08-01 Revised Version)

Fall I		Spring I	
Course	Credits	Course	Credits
MAT 160 Precalculus	5	MAT 175 Calculus I	5
CHE 170 Gen College Chemistry I	3	CHE 180 General Chemistry II	3
CHE 173 Gen College Chemistry Workshop I	1	CHE 183 Gen College Chemistry Workshop II	1
CHE 175 Gen College Chemistry Lab I	1	CHE 185 Gen College Chemistry Lab II	1
ENG 101 Writing I	3	ENG 102 Writing II	3
*Social & Behavioral Sciences	3	COM 181 Basic Public Speaking	3
GEN 100 Introduction to College	1		
Total Credits	17	Total Credits	16
Summer I	•		_
COE 199 Cooperative Education	1		
CS 115 Intro to Computer Programming	3		
Total Credits	4		
Fall II		Spring II	
MAT 185 Calculus II	5	MAT 275 Calculus III	4
PHY 231 University Physics I	4	PHY 232 University Physics II	4
PHY 241 University Physics Lab I	1	PHY 242 University Physics II	1
*Social & Behavioral Sciences	3	Arts & Humanities – Humanities	3
Arts & Humanities – Heritage	3	**Cultural Studies	3
Total Credits	16	Total Credits	15
Summer II			
MAT 285 Differential Equations	3		
COE 199 Cooperative Education	1		
Total Credits	4		
Total Credits	72		

^{*}Students must take Social & Behavioral Science courses from at least two disciplines.

In addition to engineering majors, this curriculum will also be appropriate for those majoring in mathematics, and physics. The first year of the curriculum will be a good option for those who are undecided about their major, but who want to major in some scientific field.



^{**}Students must take one approved Cultural Studies course.