Table 1. Basic-Level Curriculum

Bachelor of Science in Computer Science & Engineering

Year & Quarter	Course (Department, Number, Title)	Category (Credit Hours)			
		Math & Basic Science	Engineering Topics Check ($\surd$) if Contains Design	General Education	Other
Freshman 1^{st} Qtr.	Math 151 Calculus & Anal. Geo.	5			
	Chem 121 General Chem.	5			
	EG 166 Eng. Graphics & Problem Solving		4 ($\surd$)		
2^{nd} Qtr.	CIS 221 SW Dev. Using Comp.		4 ($\surd$)		
	Math 152 Calculus & Anal. Geo.	5			
	Chem 125 Chem. for Eng.	5			
3^{rd} Qtr.	CIS 222 Dev. of SW Comp.		4 ($\surd$)		
	Math 153 Calculus & Anal. Geo.	5			
	Phys 131 Intr. to Physics	5			

Year & Quarter	Course (Department, Number, Title)	Category (Credit Hours)			
		Math & Basic Science	Engineering Topics Check $(\surd)$ if Contains Design	General Education	Other
Sophomore 1^{st} Qtr.	CIS 321 Design & Analysis of Comp. SW		4 $(\surd)$		
	Math 254 Calculus & Anal. Geo.	5			
	Math 366 Discrete Math	3			
	Phys 132 Intr. to Physics	5			
2^{nd} Qtr.	CIS 360 Int. Comp. Sys.		4 $(\surd)$		
	Math 415 Diff. Equations	4			
	MSE 405 Int. Mat. Sc. & Eng.		3		
	Phys 133 Intr. to Physics	5			
3^{rd} Qtr.	CIS 570 File Analysis		3 $(\surd)$		
	EM 220 Eng. Mechanics		5		
	EE 261 Int. to Logic Des		3 $(\surd)$		
	CIS 459.XX Various Lanuages		1		

Year & Quarter	Course (Department, Number, Title)	Category (Credit Hours)			
		Math & Basic Science	Engineering Topics Check $(\surd)$ if Contains Design	General Education	Other
Junior 1^{st} Qtr.	CIS 560 System SW Des.		5 $(\surd)$		
	CIS 675.01 Computer Arch.		3		
	Stat 427 Intr. to Prob. & Stat.	3			
	EE 206 Switch. Circ. Lab.		1 $(\surd)$		
2^{nd} Qtr.	CIS 660 Int. to Oper. Sys.		3		
	CIS 625 Automata & Lang.		3		
	Stat 428 Intr. to Prob. & Stat.	3			
	EE 309 Elec.. Circ. Lab.		1 $(\surd)$		
	EE 300 Elec. Circuits		3		
3^{rd} Qtr.	CIS 541 Numerical Methods		3		
	CIS 680 Data Structures		3		
	EE 320 Electronic Dev.		3		
	ME 500 Eng Thermal Sc.		3		

Year & Quarter	Course (Department, Number, Title)	Category (Credit Hours)			
		Math & Basic Science	Engineering Topics Check ($\surd$) if Contains Design	General Education	Other
Senior 1^{st} Qtr.	CIS 655 Prog. Languages		4 ($\surd$)		
	EE 567 Microprocessor Lab.		2 ($\surd$)		
	ISE 504 Eng. Economic Analy.		3		
	Technical Elective				
2^{nd} Qtr.	CIS 601 Social & Ethical Issues in Comptng.		1		
	Technical Elective				
3^{rd} Qtr.	Capstone Des.		3 or 4 ($\surd$)		
	Technical Elective				

The following courses tend to be distributed over the four years with different students taking these courses at different times:

Year & Quarter	Course (Department, Number, Title)	Category (Credit Hours)			
		Math & Basic Science	Engineering Topics Check $(\surd)$ if Contains Design	General Education	Other
Varies.	Eng 110 First Year English Composition			5	
.	Second Writing Course			5	
	Social Sciences			9	
	Historical Survey			10	
	Arts & Humanities			9	
	Addnl. Gen. Edu.			7	
	Technical Elective		18		