Spring 2006 and beyond

Program Outcomes	CIS-3020	CIS-3022 3023	COT-3100	COP-3530	CDA-3101	CEN-3031	COP-4600
a) apply mathematics, science and engineering			**1**	**1**	**1**		
b) experiment; analyze and interpret data.							
c) design system, etc. to meet needs	**1**	**1**			**1**		**1**
d) function on multi-disciplinary teams.						**1**	
e) identify, formulate, and solve problems.	**1**	**1**		**1**	**1**		
f) understand professional and ethical issues							
g) communicate effectively						**1**	
h) understand global and societal impact							
i) engage in life-long learning							
j) apply a knowledge of contemporary issues							
k) use techniques, skills, and tools	**1**	**1**	**1**	**1**			**1**
l) resource estimation						**1**	
	3	3	2	3	3	3	2

a. an ability to apply knowledge of mathematics, science, and engineering
b. an ability to design and conduct experiments, as well as to analyze and interpret data
c. an ability to design a system, component, or process to meet desired needs within realistic constraints suc
d. an ability to function on multidisciplinary teams
e. an ability to identify, formulate, and solve engineering problems
f. an understanding of professional and ethical responsibility
g. an ability to communicate effectively
h. the broad education necessary to understand the impact of engineering solutions in a global, economic, en
i. a recognition of the need for, and an ability to engage in life-long learning
j. a knowledge of contemporary issues
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

		Outcome						
CNS numbe	Course Name	a	b	c	d	e	f	g
CIS-3020	Introduction to CIS			X		X		
CIS-3022/3023	Introduction to CIS			X		X		
COT-3100	Applied Discrete Structures	X						
COP-3530	Data Structures and Algorithms	X				X		
CDA-3101	Introduction to Computer Organization	X		X		X		
CEN-3031	Introduction to Software Engineering				X			X
COP-4600	Operating Systems			X				
COT-4501	Numerical Analysis	X	X			X		
CEN-4500C	Computer Networking Fundamentals		X					
CGS-3065	Legal and Social Issues in Computing						X	
CIS-4914	Senior Design	X	X	X	X	X	X	X
EEL-3111C	Circuits 1	X						
EEL-3135	Discrete-Time Signals and Systems	X						
EEL-3304C	Electronic Circuits 1		X	X				
EEL-3701C	Digital Logic and Computer Systems			X				
EEL-4712C	Digital Design		X					
EEL-4744C	Microprocessor Applications			X		X		
EEL-4914C	Senior Design		X	X	X	X	X	X

COT-4501	CGS-3065	CEN-4500C	CIS-4914	EEL-3111C	EEL 3135	EEL-3304C	EEL-3701C	EEL-4712C	EEL-4744C	EEL-4914C
1			**1**	**1**	**1**					
1		**1**	**1**			**1**	1	**1**	**1**	**1**
			1			**1**	**1**			**1**
			1							**1**
1			**1**							**1**
	1		**1**							**1**
			1							**1**
	1		**1**							**1**
	1		**1**			**1**				**1**
	1		**1**							**1**
		1	**1**	**1**	**1**		**1**	**1**	**1**	
		1	**1**							
3	4	3	12	2	2	3	3	2	2	9

ch as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

nvironmental, and societal context

h	i	j	k	l
			X	
			X	
			X	
			X	
				X
			X	
			X	X
X	X	X		
X	X	X	X	X
			X	
			X	
	X			
			X	
			X	
X	X	X	X	