

The Compute Engineering program outcomes are:

- (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
- (d) an ability to function on multi-disciplinary teams

*Our interpretation of multidisciplinary teams includes teams of individuals with similar educational backgrounds focusing on different aspects of a project as well as teams of individuals with different educational backgrounds.*

- (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 and societal context
- (i) a recognition of the need for, and an ability to engage in life-long learning

*Our interpretation of this includes teaching students that the underlying theory is important because the technology will change, coupled with enhancing their self-learning ability.*

- (j) knowledge of contemporary issues

*Our interpretation of this includes presenting students with issues such as the impact of globalization, the outsourcing of both engineering and other support jobs as practiced by modern international companies.*

- (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- (l) Knowledge of Probability and Statistics and their applications in Computer Engineering

(m) Knowledge of Discrete Mathematics

(n) The ability to design a system that involves the integration of hardware and software components

**Table II.** Coverage of program outcomes by core COE courses.

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>
<b>COE 202</b>	H		H								L			
<b>COE 203</b>		M	H	L			L				H			
<b>COE 205</b>			H	L					L		L			
<b>COE 305</b>	M	L	H	L	H				L		L			
<b>COE 308</b>	H		H		L				L		L			
<b>COE 341</b>	M		H		H				L		L			
<b>COE 344</b>	M	L			H					L	L			
<b>COE 360</b>	L	L	H	L			L				M			
<b>COE 390</b>						M	H	L	M	M				
<b>COE 400</b>	M	M		M	L		M		L		L			H
<b>COE 485</b>	L	M	H	M	L	L	M	L	L	L	M			
<b>COE 351</b>			H	M		M	H		M		M			
<b>COE 399</b>				M		M	H		M		H			
<b>STAT 319</b>												H		
<b>ICS 252</b>													H	
<b>IAS 211</b>						H								
<b>ENGL 214</b>							H							