The Program Outcomes are derived from the Program Educational Objectives, the University's and Department's missions and ABET criterion (a)-(k).

The mapping of Program Outcomes to Program Educational Objectives is shown in Table 1 below.

Table 1 Map of Program Educational Objectives to Program Outcomes

Program Educational Objectives	**Program Outcomes**									
	1. the ability to apply knowledge of mathematics, science, engineering and statistics to identify, formulate and solve engineering problems	2. analyzing and interpreting data	3. design system or components to meet desired need	4. engineering tools	5. teamwork	6. ethics	7. communication	8. global and societal context	9. lifelong learning	10. contemporary issues
1. Graduates will demonstrate the ability to contribute analytical, laboratory, and computer skills to develop new engineering analysis and design tools.	●	●	●	●						
2. Graduates will demonstrate the ability to analyze and design computers or other electronic systems with solid perspectives on the societal impact of these designs.	●	●	●	●						
3. Graduates will possess skills to work effectively as team members and leaders within the global context for computer engineering.					●	●	●	●		●
4. Graduates will use proficiency in written and oral communication to assume personal and professional responsibility.		●			●		●		●	
5. Graduates will use high standards of personal and professional integrity and ethical responsibility in their roles as engineers.			●			●	●			●
6. Graduates will demonstrate the requisite skills to successfully complete graduate programs in Computer Engineering or related subjects.	●	●	●	●			●	●	●	●

The mapping of Program Outcomes to criterion (a)-(k) is shown in Table 2 below.

Table 2 Map of Program Outcomes to ABET criteria (a) – (k)

		Program Outcomes									
		1. the ability to apply knowledge of mathematics, science, engineering and	2. analyzing and interpreting data	3. design system or components to meet desired need	4. engineering tools	5. teamwork	6. ethics	7.communication	8. global and societal context	9. lifelong learning	10. contemporary issues
ABET (a)-(k)	**(a)**	•									
	(b)		•								
	(c)			•							
	(d)					•					
	(e)	•									
	(f)						•				
	(g)							•			
	(h)								•		
	(i)									•	
	(j)										•
	(k)				•						

The courses in the computer engineering core curriculum were developed from the Program Outcomes with input from our Industrial Advisory Committee. In keeping with the University's mission, the courses were developed with a strong hands-on focus to integrate groups of students with diverse learning styles and from a broad array of background and preparation. The core courses are mapped to Program Outcomes at a level of 3 (highest concentration) as shown below in Table 3.

Course Number	Course Title	1. the ability to apply knowledge of mathematics, science, engineering and statistics to identify, formulate and solve engineering problems	2. analyzing and interpreting data	3. design system or components to meet desired need	4. engineering tools	5. teamwork	6. ethics	7. communication	8. global and societal context	9. lifelong learning	10. contemporary issues
ENGR 101	Intro to Eng I	**X**	**X**								
ENGR 102	Intro to Eng II	**X**	**X**				**X**				
ENGR 201	Circuits	**X**	**X**								
ENGR 203	Programming	**X**		**X**			**X**				
ENGR 204	Obj. Prog	**X**		**X**			**X**				
ENGR 301	Statistics	**X**	**X**								
CPEG 201	Soph. Lab I		**X**	**X**	**X**	**X**		**X**			
CPEG 202	Soph. Lab II		X	**X**	**X**	**X**		**X**			
CPEG 207	Digital Sys	**X**		**X**							
CPEG 208	Microprocessor	**X**		**X**							
CPEG 301	Junior Lab I		**X**		**X**	**X**					
CPEG 302	Junior Lab II		**X**		**X**	**X**					
CPEG 303	Electronics	**X**	**X**								
CPEG 305	Op. Sys				**X**			**X**			
CPEG 307	Linear Sys	**X**									
CPEG 309	Adv. Digital	**X**		**X**					**X**		
CPEG 320	VLSI Design			**X**					**X**	**X**	**X**
GPEG 400	Sr. Seminar						**X**		**X**	**X**	**X**
CPEG 401	Sr. Lab I		**X**		**X**			**X**			
CPEG 404	Data Acq.		**X**	**X**	**X**				**X**		
CPEG 408	Sr. Design		**X**	**X**	**X**	**X**		**X**		**X**	
CPEG 413	Signal Process.	**X**	**X**		**X**				**X**	**X**	
CPEG 416	Micro-Control			**X**				**X**			