

ABET/PUL OUTCOMES LINKS FOR THE ECE AND ME DEPARTMENTS

Revised: November 1, 2001

3 = strong linkage, 2 = moderate linkage, 1 = mild linkage

ABET OUTCOMES EAC CRITERIA #3, items a through k	INDIANA UNIVERSITY-PURDUE UNIVERSITY INDIANAPOLIS PRINCIPLES OF UNDERGRADUATE LEARNING																				
	PUL 1					PUL 2					PUL 3			PUL 4			PUL 5			PUL 6	
	Core Communication and Quantitative Skills					Critical Thinking					Integration and Application of Knowledge			Intellectual Depth, Breadth, and Adaptiveness			Understand Society and Culture			Values and Ethics	
	a	b	c	d	e	a	b	c	d	e	a	b	c	a	b	c	a	b	c	a	b
(a) - An ability to apply knowledge of mathematics, science and engineering				3		2	2		2	2	2			3	2						
(b) - An ability to design and construct experiments as well as to analyze and interpret data				1		3	3	3	3					3	1						
(c) - An ability to design a system, component, or process to meet desired needs									3		3	2	3	3		3					
(d) - An ability to function on multi-disciplinary teams			2												1	3			2		
(e) - An ability to identify, formulate and solve engineering problems		2		3		3	3	3	3	3	3		3	3	1	2					
(f) - An understanding of professional and ethical responsibility		1				3	3			2		1	1		3			1	2	3	
(g) - An ability to communicate effectively	3		3																		
(h) - The broad education necessary to understand the impact of engineering solutions in global societal context													2		2			2	2		2
(i) - A recognition of the need for and an ability to engage in life-long learning		1																			
(j) - A knowledge of contemporary issues		1								1					1	1	2	2	1	2	2
(k) - An ability to use the techniques, skill and modern engineering tools necessary for engineering practice					3							3	1	3							