

ABET Criteria a-k

- a. an ability to apply knowledge of mathematics (including multivariable calculus, differential equations linear algebra and statistics), science (including chemistry and in-depth calculus-based physics), 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 such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d. an ability to function on multi-disciplinary 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, environmental, and societal context
- i. a recognition of the need for, and an ability to engage in life-long learning a knowledge of contemporary issues
- j. a knowledge of contemporary issues.
- k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

CSE and EE Programs
 Matrix of Outcomes and Courses in which they are Assessed
 April 11, 2007 (rev. 1)

Outcome	EECS 1000 Orientation	EECS 1560 Programming	EECS 1580 Nonlinear Data Structures	EECS 1590 Discrete Structures	EECS 2000 Professional Dev.	EECS 2100 Comp. Org & Assm.	EECS 2300 Electric Circuits	EECS 3100 Microsystems Des.	EECS 3150 Data Comm.	EECS 3200 Signals & Systems	EECS 3400 Electronics I	EECS 3420 Electronics II	EECS 3440 Electronics Lab	EECS 3460 Energy Conv.	EECS 3550 Software Engr.	EECS 3700 Electromagnetics	EECS 4200 Feedback	EECS 4000 Senior Design
(a)				X						X						X	X	
(b)		X	X					X			X		X					
(c)												X		X	X			X
(d)	X														X			X
(e)		X		X		X	X		X								X	
(f)	X				X													X
(g)					X			X										X
(h)					X										X			X
(i)	X				X													
(j)	X				X													X
(k)								X		X	X							