

College of Engineering ABET Learning Outcomes Mapped onto University-Level Learning Outcomes

University-Level Learning Outcomes	ABET Mandated Learning Outcomes - College of Engineering										
	a	b	c	d	e	f	g	h	i	j	k
1. Learn and integrate	X							X	X	X	
2. Think and create		X	X		X						
3. Communicate							X				
4. Clarify purpose and perspective								X	X	X	
5. Practice citizenship				X		X		X			

University - Level Learning Outcomes:

1. Learn and integrate - Through independent learning and collaborative study, acquire foundational knowledge in the sciences, arts and humanities, and social sciences, and develop disciplinary specialization along with the abilities to integrate various types of learning.

2. Think and create - Use multiple thinking strategies to examine real-world issues, solve problems, and make consequential decisions.

3. Communicate - Use written, oral and symbolic methods of communication to acquire, create and convey meaning.

4. Clarify purpose and perspective - Discern one's life purpose and meaning through transformational experiences that foster an understanding of self, relationships, and global perspectives.

5. Practice citizenship - Apply principles of ethical leadership and collaborative engagement, cultural awareness, socially responsible behavior, and service-oriented commitment to advance sustainable local and global communities.

College of Engineering ABET Required Outcomes:

Prior to graduation, students must demonstrate:

- 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 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. a recognition of the need for, and an ability to engage in life-long learning;
- g. an ability to communicate effectively;
- h. an understanding of 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;
- j. a knowledge of contemporary issues;
- k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.