

**ABET !**

# ABET Processes

Setting, Measuring and Improving

- Outcomes
- Educational Objectives

Responding to Constituents

## ABET Outcomes

A	An ability to apply knowledge of <u>mathematics, science, and engineering</u> .		G An ability to <u>communicate</u> effectively.
B	An ability to <u>design and conduct experiments</u> , as well as to <u>analyze and interpret data</u> .		H The broad education necessary to understand the <u>impact of engineering solutions in a global, economic, environmental, and societal context</u> .
C	An ability to <u>design a system, component, or process</u> to meet desired needs within <u>realistic constraints such as economic, environmental</u> , social, political, ethical, health and safety, manufacturability, and sustainability.		I A recognition of the need for, and an ability to engage in <u>life-long learning</u> .
D	An ability to function on <u>multi-disciplinary teams</u> .		J A knowledge of <u>contemporary issues</u> .
E	An ability to <u>identify, formulate, and solve engineering problems</u> .		K An ability to use the <u>techniques, skills, and modern engineering tools</u> necessary for engineering practice.
F	An understanding of <u>professional and ethical responsibility</u> .		

## **Educational Objectives**

Graduates of the B.S. in Mechanical Engineering Degree Program will be able to achieve the following professional objectives:

1. Think critically, creatively and rigorously and employ engineering methods to identify and solve important problems in industry, business, government and academe.
2. Communicate effectively and function cooperatively in professional contexts.
3. Approach professional practice responsibly and ethically and with an awareness of business, environmental, safety, cultural, societal and global concerns.
4. Demonstrate professional leadership.
5. Employ their engineering education as a foundation for advanced study, life-long learning and career development in engineering, management and other professional fields.

# Feedback from Constituents

## As Citizens of the Commonwealth

- Are we meeting our Educational Objectives?
- Are we doing the right things?

## As Employers of our Graduates

- Are we meeting our Educational Objectives?
- Do our graduates demonstrate this?
- How do we compare?
- What do we need to do?

Can you or a colleague write a letter?