

CRITERIA FOR ACCREDITING ENGINEERING PROGRAMS (ABET, INC.)

Engineering programs must demonstrate that their students attain the following outcomes:

- A. An ability to apply knowledge of mathematics, science and engineering
- B. An ability to design and conduct experiments, as well as to interpret data
- C. An ability to design a system, component, or component to meet desired needs
- 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 in global and social contexts
- 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

The outcomes listed above are found in *2008-2009 Criteria for Accrediting Engineering Programs* and used with permission from the Engineering Accreditation Commission of ABET, Inc.

(The outcomes were designed for higher education engineering programs but are relevant for middle school and high school level engineering-related courses.)

