

The outcomes below are in conformance with outcomes required by our accrediting agency, ABET.

ELECTRICAL ENGINEERING PROGRAM

Student Learning Outcomes

KANSAS STATE UNIVERSITY

Student Learning Outcomes

Graduates from the Electrical Engineering program will have demonstrated:

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|---|---|
| a) an ability to apply knowledge of science, mathematics, and engineering; | Knowledge
Critical Thinking |
| b) ability to design and conduct experiments, as well as to analyze and interpret data; | Critical Thinking |
| c) ability to design a system, component, or process to meet specifications; | Critical Thinking
Knowledge |
| d) an ability to function on multi-disciplinary teams; | Communication
Personal and Professional Development |
| e) advanced skills in problem solving environment including the ability to identify, formulate, and solve engineering problems; | Critical Thinking
Knowledge
Ownership of Learning |
| f) an understanding of the contemporary ethical, social, safety, and economic factors required for professional engineering practice; | Personal and Professional Development
Diversity |
| g) an ability to use oral and written communications effectively; | Communication
Diversity |
| h) a knowledge of contemporary issues necessary to understand the impact of engineering solutions in a global and societal context. | Personal and Professional Development
Diversity
Knowledge |
| i) a recognition of the need for, and an ability to engage in life-long learning; | Ownership of Learning |
| j) ability to use modern engineering techniques, skills, and tools; | Knowledge |
| k) ability to apply knowledge of the core areas of electrical engineering; | Knowledge
Critical Thinking |