WKU Program in Electrical Engineering

Program Educational Objectives

A few years after graduation, WKU EE graduates are expected to be:
1. Pursuing successful and productive careers;
2. Applying their engineering education to address real-world problems;
3. Continuing their professional development and engaging in lifelong learning; and
4. Emerging as leaders in their companies, profession, and communities.

Student Outcomes

1. Electrical Engineering graduates have an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

2. Electrical Engineering graduates have an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

3. Electrical Engineering graduates have an ability to communicate effectively with a range of audiences.

4. Electrical Engineering graduates have an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

5. Electrical Engineering graduates have an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

6. Electrical Engineering graduates have an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.

7. Electrical Engineering graduates have an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.