MARQUETTE UNIVERSITY
UNDERGRADUATE PROGRAM
LEARNING OUTCOMES

ELECTRICAL ENGINEERING (Updated 9/18/12)
At the completion of the Electrical Engineering major, the graduate is able to:

1. Apply knowledge of mathematics, science, and engineering.

2. Design and conduct experiments, as well as to analyze and interpret data.

3. 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.

4. Function on multi-disciplinary teams.

5. Identify, formulate, and solve engineering problems.

6. Understand their professional and ethical responsibility.

7. Communicate effectively.

8. Understand the impact of engineering solutions in a global, economic, environmental, and societal context.


10. Understand and evaluate the impact of contemporary issues.

11. Use the techniques, skills, and modern engineering tools necessary for engineering practice.