## Relationship of Student Outcomes to Program Educational Objectives

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<th>EE Program Educational Objectives</th>
<th>EE Student Outcomes</th>
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| I. Graduates from the EE Program will successfully integrate the fundamentals of electrical engineering and design/realization practices to develop innovative and practical solutions to complex technological problems; | **Outcome a**: an ability to apply knowledge of mathematics, science, and engineering.  
**Outcome b**: an ability to design and conduct experiments, as well as to analyze and interpret data.  
**Outcome c**: an ability to 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.  
**Outcome e**: an ability to identify, formulate, and solve engineering problems.  
**Outcome k**: an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. |
| II. Possess effective communication skills, excel in multidisciplinary and multi-cultural teams, and have an appreciation for non-technical disciplines; | **Outcome d**: an ability to function on multidisciplinary teams.  
**Outcome g**: an ability to communicate effectively.  
**Outcome h**: the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.  
**Outcome j**: knowledge of contemporary issues. |
| III. Be prepared to launch their careers or pursue graduate studies in electrical engineering or their chosen field; and engage in lifelong learning; | **Outcome i**: recognition of the need for, and an ability to engage in lifelong learning.  
**Outcome k**: an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. |
| IV. Be recognized in their chosen fields for their leadership, integrity, understanding and sensitivity to global societal issues. | **Outcome f**: an understanding of professional and ethical responsibility.  
**Outcome h**: the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.  
**Outcome j**: knowledge of contemporary technical issues. |