

## **Electrical, Electronics, and Computer Engineering PhD Goals**

- A.** A strong foundation in the theoretical principles and techniques from science, engineering, and mathematics needed for advanced engineering design and development.
  
- B.** An ability to use modern engineering software, processes, devices, and diagnostic tools for advanced engineering design and development.
  
- C.** An ability to read, understand, and critically evaluate the research literature in their chosen domain and contribute original scholarship in the form of peer-reviewed publications and technical presentations.
  
- D.** An ability to conduct original research in the field of electrical and/or computer engineering. Students will be able to design and conduct experiments, collect meaningful data, use appropriate analysis tools and techniques to understand the data, evaluate system performance, and critically evaluate performance in comparison to other state-of-the-art approaches.