

ECE Department Mission

Approved by the ECE Faculty in March 2001, Approved by the ECE Student Advisory Board in October 2001, Ratified by the ECE Industrial Advisory Board in April 2002.

The mission of the Electrical & Computer Engineering (ECE) Department is fourfold:

- To provide educational programs in Electrical Engineering and Computer Engineering and related fields at the bachelor's, master's and doctoral levels of high quality and sufficient breadth and depth to serve industry, government and academic institutions of our State and Nation.
- To conduct research and pursue scholarship to advance knowledge and apply that knowledge in areas relevant to our State and Nation in order to meet the demands of the information age and global competition.
- To serve the State and Nation by making available the accumulated expertise, knowledge and experience of the faculty to industry and government.
- To continually assess our programs to ensure market needs and to develop strategies to optimize student retention.

The EE and CE programs endeavor to provide a firm foundation in fundamentals, while also giving students exposure to current technologies for design and implementation. They strive for a balance between theory, laboratory and design experience. Furthermore, the programs foster teamwork and project management skills.

The graduate ECE program offers studies leading to the degrees of Master of Science in Electrical Engineering and the Doctor of Philosophy in Engineering with an option in Electrical Engineering. All graduate students are expected to participate in research activities as an integral portion of their graduate education. Creative research/scholarship is an integral part of the ECE Department's mission. The importance of research is equal and complementary to the function of teaching. Externally supported research and equipment funding are necessary means for supporting ECE research endeavors, and therefore, success in obtaining external research and equipment grants is essential.

The Department recognizes the need to conduct periodic reviews and adjustments to meet the current and projected needs of the State and Nation according to its mission objectives.