

COMPUTER ENGINEERING, B.S.

As a computer engineering major, you can learn how to design and manufacture computer hardware using the latest semiconductor chip technologies, which form the foundation of everything from automobiles to household appliances to defense systems. In addition, you can learn how to develop, analyze and research systems that process, store and convey digital information. Computer engineering majors explore cutting-edge systems, including wearable technology, mobile devices, personal computers, servers used in the cloud, and embedded systems. You can even focus on the mathematics, tools and practices associated with machine learning and data science in engineering with our new Machine Learning and Data Science named degree option. Become a Badger, and let your curiosity set your path for learning.

ELECTRICAL ENGINEERING AND COMPUTER ENGINEERING PROGRAM EDUCATIONAL OBJECTIVES

Our graduates should be engaged in activities such as:

1. Employment in industry, government, academia, or non-profit using their degree knowledge or skills for professional functions such as teaching, research and development, quality control, technical marketing, intellectual property management, or sales. Graduates may eventually reach a leadership position supervising others.
2. Continuing education through self-study or short courses and workshops through their employer, local or online educational institutions, or attendance at professional events such as conferences.
3. Taking a principal role in starting a new business or product line.
4. Pursuing a postgraduate degree.