

# COMPUTER ENGINEERING, BS

As a computer engineering major, you will 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 will learn how to design and analyze systems that process, store and convey digital information, and to develop efficient software for them. Examples of systems that computer engineering majors explore include wearable devices, mobile computing devices like smartphones and tablets, personal computers, servers deployed in the cloud, and many types of embedded systems. You can also specialize in emerging technologies such as semiconductor engineering (<https://guide.wisc.edu/undergraduate/engineering/electrical-computer-engineering/computer-engineering-bs/computer-engineering-semiconductor-engineering-bs/>) or machine learning and data science (<https://guide.wisc.edu/undergraduate/engineering/electrical-computer-engineering/computer-engineering-bs/computer-engineering-machine-learning-data-science-bs/>) and earn a named option on your transcript.