Electrical Engineering Minor

Swenson College of Science and Engineering

The Electrical Engineering minor provides students with basic knowledge and skills needed to understand electrical circuits, signal analysis, electronics and digital systems. It provides high quality education in electrical engineering related topics that will prepare students for employment opportunities in the private and public sectors.

Why UMD

- Active learning environment
- Access to state-of-the-art instrumentation
- Focus on undergraduate teaching and research

Scholarships

We offer multiple scholarships including the UMD Thor A. Gustafson Scholarship, the UMD Robert J. Marchetti Engineering Scholarships, and the UMD Electrical and Computer Engineering Scholarships.

Student Clubs

We have 2 electrical engineering clubs on campus. The Institute of Electrical and Electronics Engineers student chapter provides the opportunity for students to meet and communicate with each other. During meetings students partake in sharing of the latest technology and information in the electrical and computer related fields, as well as the job opportunities, and scholarship information.

UMD Robotics is a club devoted to inspiring students in science and technology. The club’s activities involve getting together and having a good time while working on large projects or goals. In the past we’ve built battlebots to compete in nation-level competitions and racing drones to fly around when it isn’t stormy outside.

In addition to electrical engineering clubs we also have multiple engineering societies and clubs that serve the students by supporting ideas and innovation. Including the Society of Women Engineers, the Tau Beta Pi Engineering Honor Society, the Minnesota Society of Professional Engineers (MnSPE), and the Order of Engineer.