

ELECTRICAL AND COMPUTER ENGINEERING: POWER ENGINEERING, MS

This is a named option in the Electrical and Computer Engineering MS (<https://guide.wisc.edu/graduate/electrical-computer-engineering/electrical-computer-engineering-ms/>) that is offered in an online format.

The Master of Science Electrical and Computer Engineering: Power Engineering program will prepare you for leading-edge positions in industry in the areas of electric power, power electronics, motor drives, and electric machines.

UW–Madison’s Power Engineering master’s degree provides graduate students applicable and theoretical knowledge in power electronics, including alternative energy, through research and study of technological and conceptual innovations in electrical and computer engineering. Explore the curriculum for this program ([p. 1](#)).

The education you receive at UW–Madison is directly applicable to a career in industry and is suitable for a new or recent graduate, as well as experienced professionals who seek the necessary (re)training to change or advance their careers.

UW–Madison’s Department of Electrical and Computer Engineering is recognized for excellence in research, instruction, and service to the profession. It ranks among the top electrical and computer engineering departments in national surveys, consistently producing talented graduates whose skills are highly respected throughout the nation and around the world.

The Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC) (<https://wempec.wisc.edu/>) is a UW–Madison technology focus center sponsored by companies holding an interest in electric machines and power electronics. With a mission to provide education, research, and service, WEMPEC is a model program demonstrating strong interaction between university and industry.

UW–Madison’s online engineering graduate programs are world-class degrees and consistently ranked in the Top 20 online engineering master’s programs by *U.S. News & World Report*.

MS Power Engineering students cannot be simultaneously enrolled in another graduate program at UW–Madison while completing this program.