Advance your career in the growing field of power electronics and electric machines from a top 10 online graduate program as ranked by U.S. News and World Report.

What You Learn

• Learn the latest technology in power electronics, electric machines, actuators, sensors, drives, motion control and drive applications.
• Learn from distinguished and internationally renowned faculty from the Department of Electrical and Computer Engineering and the Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC).
• Tailor your experience to fit your specific career goals and interests through technical elective courses.

Where & How You Learn

Where: Online; start in summer, fall, or spring.
How: Start by completing a 9-credit certificate program in Power Conversion and Control (PCC). With successful completion of this Certificate and a minimum GPA of 3.3, you may apply to the online MS degree in Power Engineering. The PCC credits are applied to the 30-credit master’s degree requirement.

You have an opportunity to meet and learn with faculty and fellow students at one required, on-campus, three-week summer lab.

Apply Now!
Visit go.wisc.edu/Power

At a Glance

Delivery: Online
Credits: 30 graduate credits
Time Frame: 1 year for the PCC Certificate, an additional 2-3 years for the MS degree in Power Engineering, depending on the number of classes taken each term
Tuition: Resident and non-resident: $1,600 per credit

Typical Curriculum

Required Courses, PCC Certificate
• Introduction to Electric Drive Systems
• Power Electronic Circuits
• Automatic Controls

Core ECE MS Curriculum: Power Engineering
• Electric Machine and Drive System Lab
• Power Electronics Lab
• Dynamics and Control of AC Drives
• Solid State Power Conversion

Typical Electives
• Electric Power Systems
• Computer Control of Machines and Processes
• Electromagnetic Design of AC Machines
• Utility Application of Power Electronics

Questions?
For more information on admission requirements, how to apply, tuition and financial aid or other questions, contact:
Graduate Programs Coordinator
608-262-0468
gradadmissions@epd.wisc.edu

UW Madison’s online power engineering: electrical engineering program allowed me to work full time while gaining the additional academic skills necessary to advance in the field of power engineering. I was promoted to the next level of engineer the spring before my graduation and I don’t think that would have happened without this program.

Helen Lewis-Rzeszutek, Senior Hardware Engineer, Rockwell Automation.
Flexible Curriculum  
In-Depth Technical Knowledge  
Start Summer, Fall, or Spring  
Learn more at go.wisc.edu/Power