The Power Conversion and Control Capstone Certificate addresses the learning goals of practicing engineers by providing further study with senior, highly respected faculty in the UW–Madison College of Engineering. It provides engineers with an opportunity to gain specialized expertise, including technical knowledge of power electronics, drives, and controls. The certificate also provides a “stepping stone” for students wishing to apply for admission to the university’s online Master of Science: Electrical Engineering named option in Power Engineering.

The certificate was developed in response to needs identified by more than 80 corporate sponsors of the renowned Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC) (http://www.wempec.wisc.edu/).

The format of the Power Conversion and Controls Capstone Certificate is completely online to accommodate working professionals. The 9-credit capstone certificate was designed for completion in three consecutive terms of 3 credits (one course) per term. Fundamental coursework in electrical engineering is a prerequisite, as is coursework in electromechanical energy conversion (ECE 355 Electromechanical Energy Conversion is available online for admitted students).

Further details, including current tuition and costs, are provided on the program’s website (https://epd.wisc.edu/online-degrees/power-conversion-and-control-certificate/).