Master of Science

POWER ENGINEERING

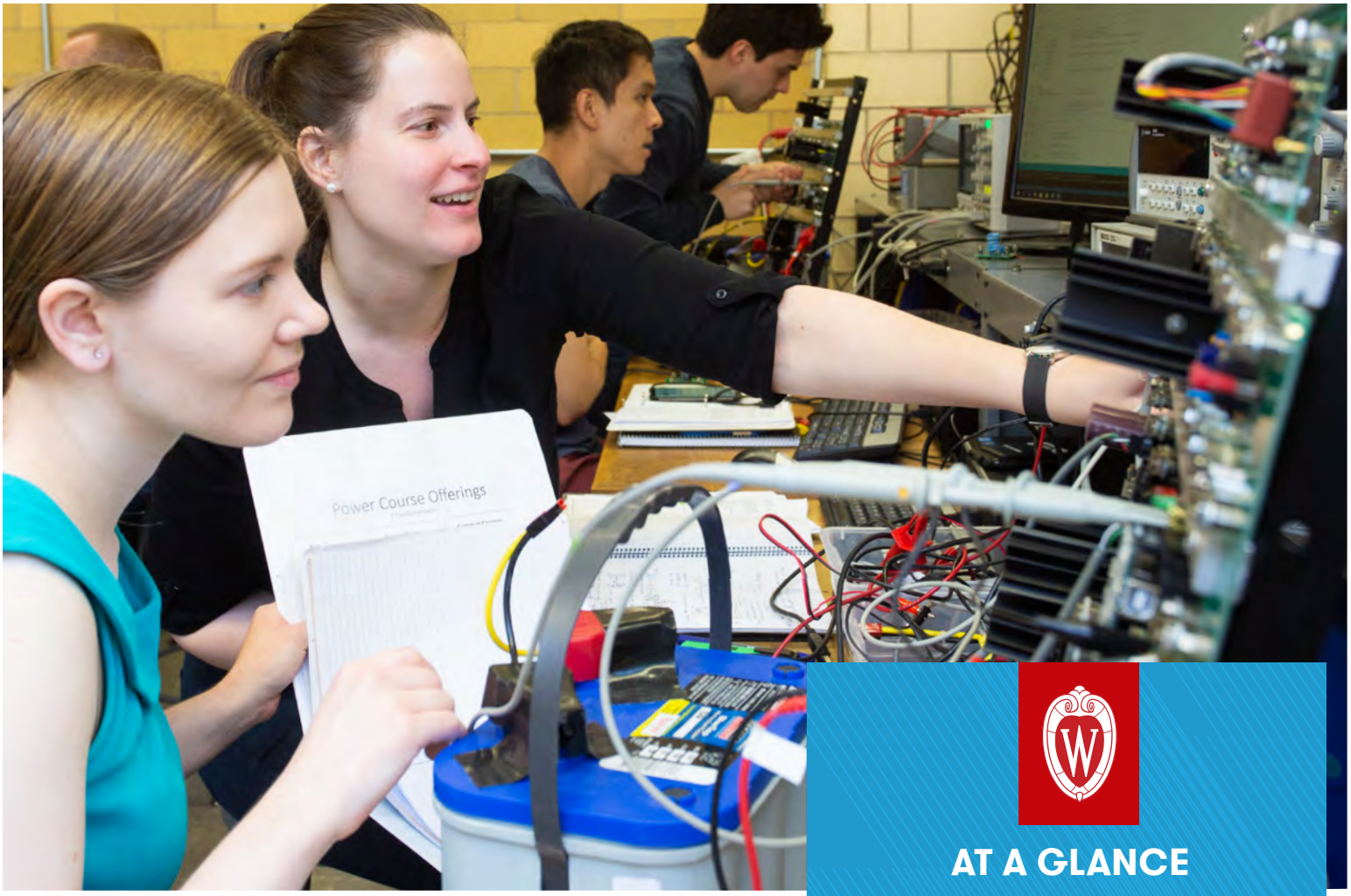
ONLINE

BEST ONLINE PROGRAMS
U.S.News & WORLD REPORT
GRAD ENGINEERING
2021

YOUR GUIDE TO AN ADVANCED DEGREE ONLINE

UNIVERSITY OF WISCONSIN-MADISON

go.wisc.edu/
power-engineering-masters



Expand your technical knowledge, advance your career

If you're an engineer who has completed the Capstone Certificate in Power Conversion and Control, the Master of Science in Power Engineering program offers a next step to broaden your horizons and prepare you for technical leadership.

UW–Madison's Department of Electrical and Computer Engineering is recognized as one of the top departments of its kind in the world. It's on the leading edge of the newest technologies and trends in electric machines, power electronics, alternative energy, actuators, sensors, drives, motion control and drive applications.

The power engineering program is bolstered by the presence of the Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC), an internationally known research group and technology center dedicated to education, research and service. Professors, graduate students and international scholars research and develop new techniques and technologies in the power engineering field with support from 80 corporate sponsors.

AT A GLANCE

DEGREE CONFERRED
Master of Science in Electrical Engineering: Power Engineering

FORMAT
Online

TIMELINE
One 3-week summer lab on the UW–Madison campus (required)

Course, thesis or project options

Complete in 2–3 years

Requires Capstone Certificate in Power Conversion and Control

CREDITS
30 credits (21 after PCC credits applied)
$1,600 per credit

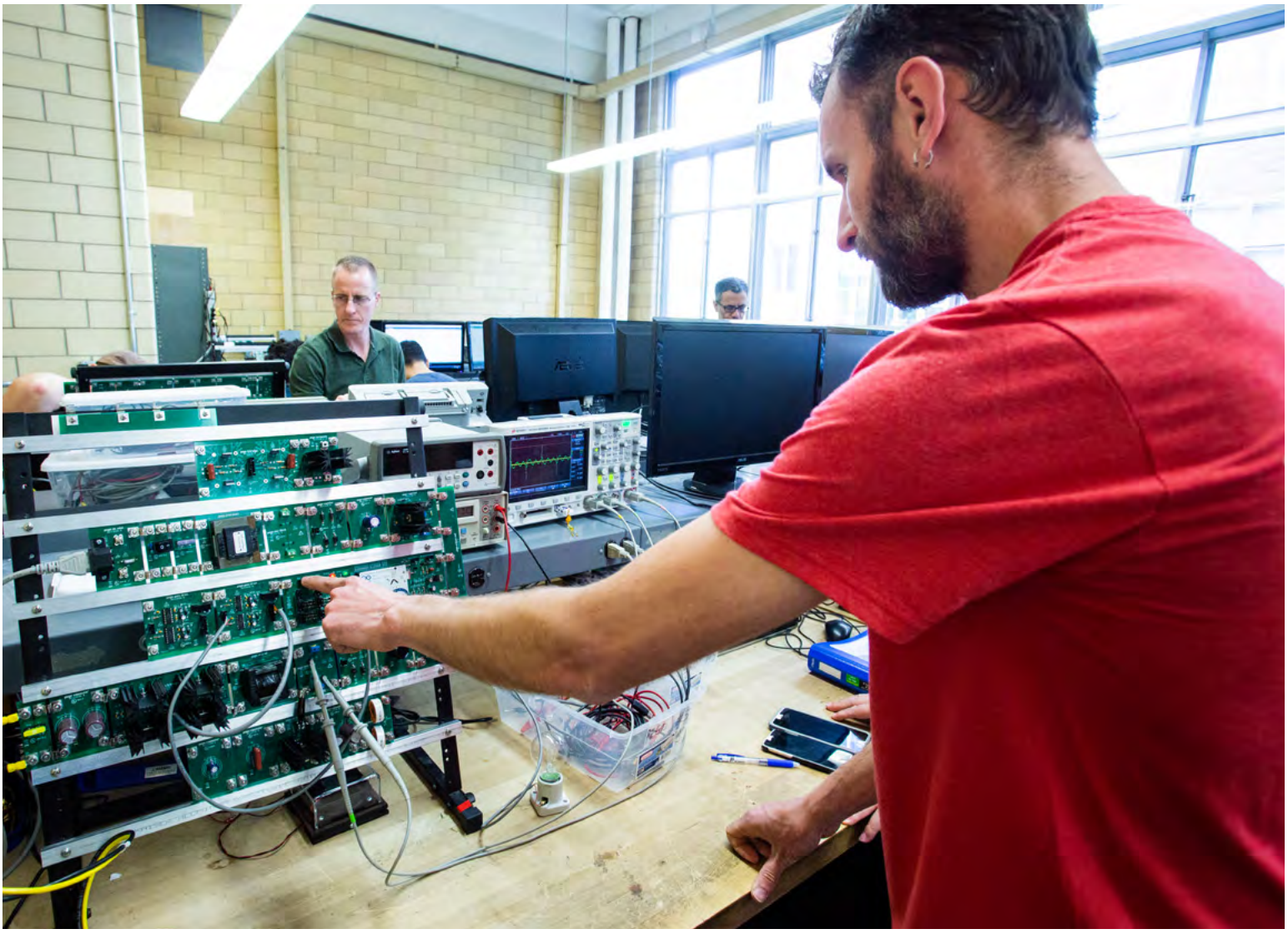
START
Fall & spring

Master's degrees make a difference

"UW–Madison's online M.S. in Electrical Engineering: Power Engineering allowed me to work full time while gaining the additional 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 it would have happened without this program."

— Helen Lewis-Rzeszutek, senior hardware engineer
Rockwell Automation

UW–Madison online engineering master's graduates work at some of the nation's top companies including NASA, Lockheed Martin, John Deere, Honeywell, General Motors, Harley-Davidson, Google, Medtronic and 3M.



What opportunities will a master's degree provide?

– You'll be strongly positioned for management and leadership roles
– On average, engineering majors with graduate degrees earn 25% more than those with a bachelor's degree[1]
– You'll be exposed to new technologies and trends in power engineering
– You'll gain a deeper knowledge of your field and new enthusiasm for your career

Designed for working professionals

You'll learn in a program that has been created with you—a working professional—in mind. The program is flexible enough to fit into your life but structured to keep you on track. A fixed curriculum on a traditional semester schedule helps you stay focused while the online format gives you options so you can meet your obligations at work and home.

A program that fits you

You have other obligations and responsibilities. That's why we've designed our programs to work with your life.

- Online format can be accessed anytime, anywhere
- Faculty and staff support students
- Learning is applicable to current projects
- Programs have the same rigor as on-campus UW–Madison degrees

A TYPICAL WEEK

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Submit previous week's assignments	Plan for the week		1 hour webinar OR	1 hour webinar		

Students typically work 3–4 hours per credit each week

Online discussion | Readings | Homework | Project work

[1]*Georgetown University Center on Education and the Workforce, The Economic Value of College Majors, 2015*

Pat Walsh
Enrollment Coach

Dr. Andrea Strzelec
Program Director

We're here to help you succeed

For information and insight on engineering master's degrees and certificates, contact Pat Walsh at pat.walsh@wisc.edu or Dr. Andrea Strzelec at strzelec@wisc.edu.