



Master of Engineering **MANUFACTURING SYSTEMS** ONLINE

YOUR GUIDE TO AN ADVANCED DEGREE ONLINE

BEST
ONLINE PROGRAMS

& WORLD REPORT
U.S. News

GRAD ENGINEERING
2021

UNIVERSITY OF WISCONSIN-MADISON

[go.wisc.edu/
manufacturing-systems-eng](https://go.wisc.edu/manufacturing-systems-eng)



Be at the forefront of change with a master's in manufacturing systems engineering

Automation and robotics are changing the manufacturing landscape. Technology and data are being incorporated into the process, creating new opportunities for innovation and efficiency. The interdisciplinary approach of manufacturing systems engineering offers you an opportunity to develop advanced skills in manufacturing techniques and data analytics while positioning you to lead change, improve efficiencies and find ways to innovate. The program incorporates industrial engineering, mechanical engineering and business topics.

As a student, you'll have access to the resources of the prestigious Center for Quick Response Manufacturing and the Grainger Institute for Engineering as you advance through the program.

The project-based curriculum means you're encouraged to work on challenges from your own company with the tools and concepts you learn in the program.

With a master's in manufacturing systems engineering, you'll:

- Develop long-term strategies for manufacturing operations
- Understand the relationship between the system and the production floor and identify areas in need of improvement
- Learn advanced manufacturing techniques
- Incorporate automation, robotics, rapid prototyping, data analytics, lean, advanced manufacturing techniques, continuous improvement, supply chain and sustainability into your decision-making and planning
- Drive product improvement
- Cultivate leadership and management skills



AT A GLANCE

DEGREE CONFERRED
Master of Engineering in
Engineering: Manufacturing
Systems Engineering

FORMAT
Online

TIMELINE
Complete in 2–3 years

CREDITS
30 graduate credits
\$1,300 per credit

START
Start in fall or spring

Master's degrees make a difference

“The MSE courses helped me reach new levels of performance; they allowed for increased technical understanding and leadership. These new skills provide a professional edge not only in the work but in work efficiency.”

— Roberto Verastegul, John Deere Corporation

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 degree¹
- You'll be exposed to new technologies and trends in manufacturing systems 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 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

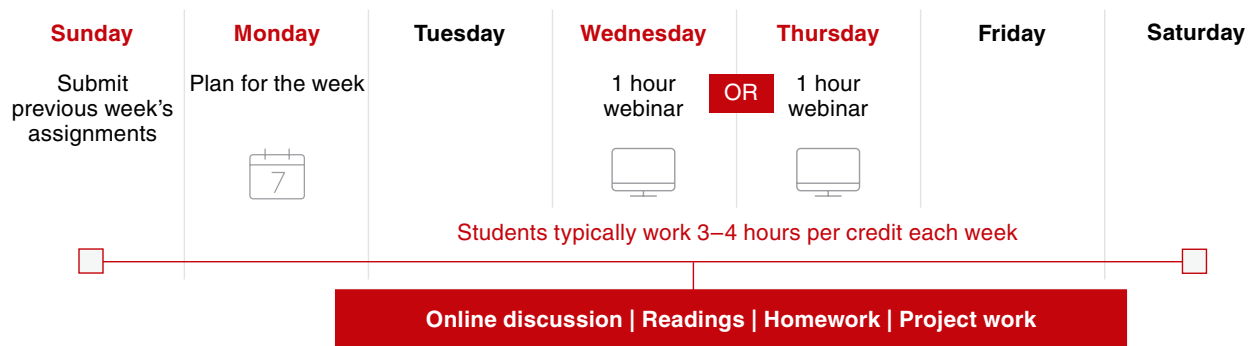


Learning is applicable to current projects



Programs have the same rigor as on-campus UW–Madison degrees

A TYPICAL WEEK



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



Pat Walsh
Enrollment Coach



Susan Ottmann
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 Susan Ottmann at sottman@wisc.edu.