

YOUR GUIDE TO AN ADVANCED DEGREE ONLINE



Master of Engineering

# DATA ANALYTICS

ONLINE



UNIVERSITY OF WISCONSIN-MADISON

[go.wisc.edu/  
eng-data-analytics](https://go.wisc.edu/eng-data-analytics)



## Become the highly sought engineer who leads data-driven improvements

Develop the expertise to confidently lead the transformation of big data into informed, high-impact actions. Industries of all sorts are in critical need of engineers who understand and can apply appropriate data analysis tools and methods to drive improvements to products and processes, research, design, testing and operations. UW–Madison’s engineering data analytics program uniquely combines data science learning with focused applications in engineering and skills needed to lead projects and teams.

Your 15 credits of core requirements provide the essential skills in data science, statistics, machine learning, data visualization and high-performance computing. You will be exposed to multiple programming languages and simulation methodologies working with world-renowned faculty in the Engineering Data field. Electives from your area of engineering expertise provide the focus that helps you meet the unique challenges of your field. Rounding out the curriculum are electives in areas such as manufacturing, sustainable systems, engineering leadership, and polymer engineering. You also have the opportunity to take additional data analytics courses with these flexible credits.

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.



### AT A GLANCE

**DEGREE CONFERRED**  
Master of Engineering in  
Engineering: Engineering  
Data Analytics

**FORMAT**  
Online

**TIMELINE**  
Complete in 2–3 years

**CREDITS**  
30 graduate credits

\$1,300 per credit

**START**  
Fall or spring start

# 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<sup>1</sup>
- You'll be exposed to new technologies and trends in data analytics
- You'll gain a deeper knowledge of the latest advances in data science

## 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. Each course is project-based so you can immediately apply what you've learned.

## 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

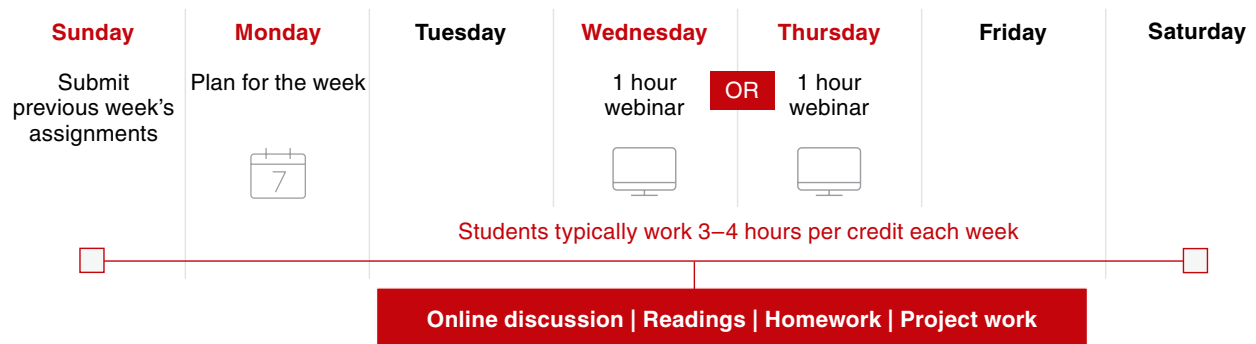


Learning is applicable to current projects



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

### A TYPICAL WEEK



<sup>1</sup>Georgetown 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](mailto:pat.walsh@wisc.edu) or Susan Ottmann at [sottman@wisc.edu](mailto:sottman@wisc.edu).