YOUR GUIDE TO AN ADVANCED DEGREE ONLINE

Master of Engineering
ENGINE SYSTEMS
ONLINE

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

UNIVERSITY OF WISCONSIN-MADISON

go.wisc.edu/
eng-engine-systems-masters

Earn your engineering master's in engine systems online from a top engineering school

Become an expert in engine design and vehicle propulsion with an engineering master's in engine systems from UW–Madison. The online program is highly collaborative and interactive. You'll be among the first to learn of developments in the field and can apply that knowledge to the work you're doing today. You'll delve into areas such as thermodynamics, engine design and controls. Develop a clean-sheet engine design as your capstone project. UW–Madison is home to the Engine Research Center (ERC), the nation's largest academic research facility devoted exclusively to the internal combustion engine. The ERC recently marked its 73rd year in existence, a milestone that indicates the value of the center to the industry.

The program is delivered online, supplemented by a brief summer residency during which you'll get together with your cohorts and program faculty on the UW–Madison campus for in-depth study, meeting with your project teams and the opportunity to make lasting connections with other students, faculty and alumni.

The problem-based and application-oriented courses provide a solid background that prepares you to lead effective teams and manage the development process for new engines according to their application.

Features of the program

- Years of engine design experience are packed into the ONLY online master's program focused on internal combustion engines
- Work with a diverse set of fellow students from across the industry and the globe

AT A GLANCE

DEGREE CONFERRED
Master of Engineering in Engineering: Engine Systems

FORMAT
Online
Brief summer residency each summer in Madison

TIMELINE
Complete in 2.5–3.5 years

CREDITS
30 graduate credits
$1,300 per credit

START
Fall semester

Master's degrees made a difference

"The only other way to learn what you learn in this class is to have a 30- to 40-year career in the engine industry and learn all these lessons the hard way."

— Aaron Foege, program graduate
Received patent on engine created as a class project

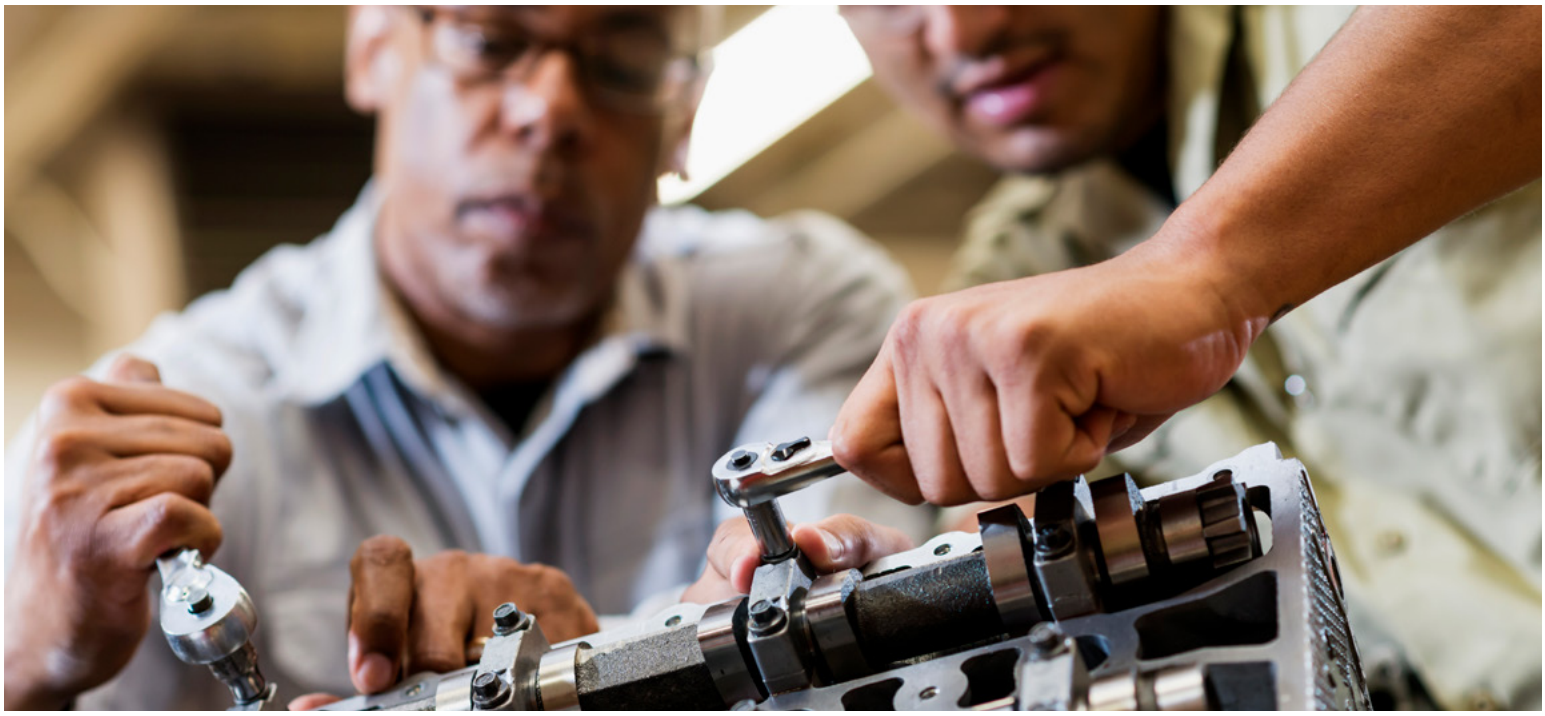
"Two weeks before I graduated, I was promoted to director of an engine remanufacturing operation. The skills and knowledge I gained in the MEES program helped me get this new position. The distance learning method MEES uses is superior to traditional classroom learning because it is continuous mentoring and this has given me a solid background for tackling the challenges in this leadership role."

— Mike Horak, program graduate

"I was halfway through the program when I applied to lead an engine program. I wouldn't have had the confidence or the resumé to do that if I hadn't been part of the program."

— Stephany Severance, program graduate

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 engine systems
– 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*

Dr. Andrea Strzelec
Program Director

We're here to help you succeed

For information and insight on the engineering engine systems program, contact Dr. Andrea Strzelec at strzelec@wisc.edu.