



Online Master of Science in Electrical Engineering

INCREASE *your* **BANDWIDTH**
with an ONLINE MSEE DEGREE

What is the online Master of Science in Electrical Engineering?



COMPREHENSIVE

Learn how to design, develop, and evaluate electrical and electronics systems for a variety of applications from a faculty of experienced engineers.



CONVENIENT

Complete the flexible MSEE program 100% online in as few as two years.



CHALLENGING

Explore engineering systems in greater depth with concentrations in Autonomous Unmanned Vehicles, Communications and Digital Signal Processing, Computer Engineering, Electrical Engineering, Electronic Navigation Systems, and Micro Nano Devices and Systems.

Why choose the Ohio University online MSEE?



No GRE or GMAT required for qualified applicants



Named a "2017 Best College" by The Princeton Review



Ranked among the nation's "Best Online Programs" for "Grad Engineering" in 2017 by *U.S. News & World Report*



Ohio University is regionally accredited by the Higher Learning Commission (HLC)

At the Russ College of Engineering and Technology, graduates are equipped with the skills to research, design, develop, and test new technologies and industry applications — and to position themselves as leaders.

For more than a century, we've been teaching engineers how to create for good — how to engineer a better future with responsible and sustainable design. It's impossible to ignore the impact our graduates have on the world around us.

Choose Ohio University because you want to earn your degree from a nationally ranked leader in education and research, because you want a degree you can be proud of, and because you want an education that can prepare you for the future.

Curriculum



Delivered through a completely online learning environment, our curriculum focuses on the core principles of advanced electrical engineering. For those who seek to understand engineering systems in even greater depth, we offer concentrations in Autonomous Unmanned Vehicles, Communications and Digital Signal Processing, Computer Engineering, Electrical Engineering, Electronic Navigation Systems, and Micro Nano Devices and Systems.

- Foundational Courses
- Engineering Writing - 3 credits
- Computational Tools for Engineers - 3 credits
- Autonomous Unmanned Vehicles Courses
- Communications and Digital Signal Processing Courses
- Computer Engineering Courses
- Electrical Engineering Courses
- Electronic Navigation Systems Courses
- Micro Nano Devices and Systems Courses

Faculty

A key component to creating a successful educational program is identifying faculty members with actual experience in the industry. For our Master of Electrical Engineering program we've assembled a diverse team of professionals who have dedicated their careers to electrical engineering. They are passionate about education and the field and enjoy sharing their first-hand experience directly with our students.

- Michael Braasch, Ph.D.**
- Chris Bartone, Ph.D.
- Jeff Dill, Ph.D.
- Wojciech Jadwisieniczak, Ph.D.
- David Juedes, Ph.D.
- Savas Kaya, Ph.D.
- Avinash Kodi, Ph.D.
- Doug Lawrence, Ph.D.
- H. Bryan Riley, Ph.D.
- Janusz A. Starzyk, Ph.D.
- Maarten Uijt de Haag, Ph.D.
- Jim Zhu, Ph.D.

Michael Braasch, Ph.D.



Dr. Michael Braasch has been teaching navigation courses since 1994 and has been performing navigation system research through the Ohio University Avionics Engineering Center since 1985. He is internationally recognized for his work in characterizing GPS

multipath and is one of the originators of the integrated multipath-limiting antenna for GPS. Dr. Braasch has served as a visiting scientist at the Delft University of Technology in the Netherlands and has lectured for NATO AGARD. He has co-authored chapters for AIAA books on GPS in addition to numerous conference papers and journal articles. Dr. Braasch is a licensed professional engineer in Ohio and is an instrument-rated commercial pilot.

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Industry outlook and career opportunities

The rapid pace of technological innovation and development will likely drive demand for electrical and electronics engineers in research and development, according to *Today's Engineer Online*. Engineering expertise is expected to be needed to develop distribution systems related to new technologies.

Job growth for electrical and electronics engineers is likely to be greatest in engineering services firms. These engineers also are likely to experience job growth in computer systems design as that industry continues to implement more powerful portable computing devices.

AVERAGE ANNUAL WAGE FOR ELECTRICAL ENGINEERS:
\$87,920

AVERAGE ANNUAL WAGE FOR ELECTRONICS ENGINEERS:
\$91,820

According to the U.S. Bureau of Labor Statistics from May 2012

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