Mechanical Engineering
Master Tomorrow’s Technologies Today

LIMITLESS OPPORTUNITY | GLOBAL IMPACT | PREMIER PROGRAM

Worcester Polytechnic Institute
Corporate and Professional Education

508-831-5517 | online@wpi.edu | online.wpi.edu
Admissions Criteria

WPI graduates are aggressively recruited by local, national and international organizations. That’s because they leave here ready to solve real-world problems.

Preparation for advancing your career begins at admission, with individualized advising to help build a course of study. Every student gets the one-on-one mentorship and applied-learning opportunities that are the hallmarks of the WPI experience.

Learn about admission requirements, class registration, and program schedules at online.wpi.edu/+me.

Producing organizational leaders who use innovation and entrepreneurship to make their industries more efficient, effective, and successful.

To begin the admission process, contact us at 508-831-5517 or online@wpi.edu.

Admissions applications are reviewed year round, on a rolling basis. Students can begin their graduate degree in the fall, spring or summer semesters.
Become an Innovator through Advanced Education

Your organization relies on your talents to remain competitive in an increasingly complex and technological world. Worcester Polytechnic Institute’s online graduate programs in mechanical engineering can help you become an even greater asset to your leadership team.

Combining the latest trends, theories, and practices with the quality of a WPI education, these programs help you:

+ advance your career and increase your earning potential
+ expand your network by connecting you with other working professionals
+ balance professional and personal schedules through our flexible delivery

Earning graduate credentials in mechanical engineering helps you become a subject matter expert and expands your opportunities in additional areas of the field.

Master of Science
Tailored to your specific area of interest, this 30-credit, part-time program allows you to narrow your focus of study and concentrate your expertise to develop your knowledge and skills.

Certificate Program
This four-course certificate program can be customized to your needs—and is developed with guidance from your advisor—to meet your individual career goals.

Advance and grow in the areas of your choice:

+ Fluids engineering
+ Dynamics and controls
+ Structures and materials
+ Design and manufacturing
Making a universal impact on products and processes since 1865

Put Your Practical Knowledge to Use in the Real World

The largest engineering program at WPI, mechanical engineering began combining theory and practice in 1865, enabling graduates to address real-world issues. Nearly 150 years later, continuing that same philosophy, they are still changing the world.

Our graduate programs in mechanical engineering are designed for working professionals—conveniently being delivered on campus, online, at the workplace, and through blended learning. The online option is an excellent choice for busy professionals who want to enhance their knowledge and skills in order to stay in demand. You benefit from the same top-quality faculty, materials, and educational experience found in our classroom program—while you enjoy the convenience of online study.

“Having the flexibility of an online program, along with WPI’s impressive name, has been amazing for me. Since I’m working full-time and had to move twice for my job, the online component of my education has been the one factor I did not have to worry about.”

MARINA ATWOOD
SITE ENGINEER II
GENERAL DYNAMICS ELECTRIC BOAT
Education From Engineering Leaders

You learn from world-renowned faculty members who have contributed to significant advances in virtually every aspect of mechanical engineering and its related fields. These experts are sought after by organizations that are committed to sustainable growth, and are actively involved in various areas of research.

**Topics of study and research:**

+ Biomechanics
+ Electric propulsion
+ Engineering design
+ Fluid-structure interactions
+ Laser holography
+ Materials processing
+ Mechanics of granular materials
+ MEMS
+ Microgravity combustion
+ Nonlinear dynamics and control
+ Plasma dynamics
+ Random vibrations
+ Rarefied gas
+ Structural analysis
Learning Tools for Every Industry in Any Location

When it comes to technology—whether in industry, government, or academia—mechanical engineering touches almost every aspect of it. Being part of one of the broadest engineering disciplines, mechanical engineers often have a wider span of opportunities than their peers in other areas of engineering.

Employment for mechanical engineers is expected to grow 13% from 2008 to 2018. Job prospects may be best for those who stay abreast of the most recent advances in technology. —Bureau of Labor Statistics

Organizations employing our graduates include:

+ APS Technology
+ D&R Products
+ David Clark Company
+ GE Medical Systems
+ General Dynamics
+ IDexx Laboratories
+ MEMC Electronic
+ Pfizer
+ Pratt & Whitney
+ Raytheon Company
+ UTC
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