



MASTER OF ENGINEERING IN MECHANICAL AND SMART MANUFACTURING ENGINEERING

Miami University's Master of Engineering (M.Eng.) in Mechanical and Smart Manufacturing Engineering program prepares graduates to lead innovation, drive technological advancements, and shape the future of manufacturing.

With a focus on critical areas such as materials engineering, smart manufacturing, thermo-fluids, dynamics, and robotics, students develop problem-solving skills and gain practical experience.

Industry Experience

The mechanical and smart manufacturing master's program offers an internship or non-thesis project as a capstone, allowing you to apply knowledge in real-world settings, gain industry insights, and build professional networks, ultimately providing a distinctive experience for the job market.

Program Curriculum

Our program covers the full spectrum of skills required in today's industrial landscape, from advanced mathematical modeling and dynamical systems control to thermal-fluid systems and advanced manufacturing techniques. You'll also benefit from a wide range of elective courses in science, engineering, and mathematics.

PRIORITY APPLICATION DEADLINE

- **Fall: Feb. 1**
- **Spring: Oct. 1**
- **Summer: Feb. 1**



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MSME Concentrations

You can customize your learning journey by focusing on one or more of the following concentration areas:

- Computational Mechanics and Data-Driven Engineering
- Control and System Dynamics
- Materials
- Mechanical Design
- Medical Devices and Mechatronics
- Smart Manufacturing
- Thermal-Fluid Systems

Careers with this Degree

Your unique skill set will give you a significant advantage in the job market, positioning you for high-paying positions in areas like:

- Aerospace
- Advanced Manufacturing
- Automotive
- Energy
- Materials Engineering
- Mechanical Design
- Robotics
- Thermal Fluids



Apply now!
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ADMISSIONS OVERVIEW

Application Requirements

- Bachelor's degree from an accredited institution with a minimum 2.75 GPA
 - 3.0 GPA for Miami combined degree applicants
- Curriculum vitae
- Two letters of recommendation
 - One letter of recommendation for Miami combined degree applicants

Test Score Requirements

- GRE test scores may be submitted, but are optional
- Minimum English test score requirements:
 - TOEFL - 95
 - IELTS - 7.0
 - Duolingo - 125
 - PTE - 65