Duke | MECHANICAL ENGINEERING & MATERIALS SCIENCE

# PHD PROGRAM

*Rigorous, personalized, advanced training with highly ranked faculty research leaders*


## WHY CHOOSE DUKE?

- **World-class research** with global impact in energy, automation, and health care.
- **Uniquely interdisciplinary environment** - Students work closely with Duke's Trinity College of Arts & Sciences, School of Medicine, and Nicholas School of the Environment.
- **Financial support** - Duke MEMS provides tuition, stipend, and health insurance for all PhD students, plus travel and registration support for national and international conferences.
- **Internships** - MEMS PhD students are encouraged to explore industry and policy internships. Course credit is available.
- **A broad mentoring network** that includes your PhD advisor and an interdisciplinary mentoring team.
- **Great location** in Durham, N.C., part of the Research Triangle region known for technology, entrepreneurship, and quality of life.

## LEADING RESEARCH AREAS

- **Aerospace Engineering**
- **AI for Materials**
- **Biomechanical Engineering**
- **Dynamics, Controls & Robotics**
- **Materials Science & Biomaterials**
- **Mechanics, Design & Computing**
- **Thermal Fluids & Energy**

## WHERE OUR PHD GRADS GO

Duke MEMS has an excellent track record of placing graduates into engineering firms and as faculty at prestigious universities. View employment data at **mems.duke.edu/grad/phd/outcomes**

- **About 45% of MEMS PhD grads go on to positions in academia:**
  *Johns Hopkins University, Northwestern University, University of Texas at Austin, University of Michigan, Georgia Tech*
- **About 55% of MEMS PhD grads go on to public or private sector career:**
  *Amazon, McKinsey & Company, NASA, SpaceX, Northrop Grumman, GE Research, U.S. Naval Research Lab*

Duke | PRATT SCHOOL of ENGINEERING

## DUKE MEMS FACTS

- **Top 10 U.S. program in mechanical engineering faculty research productivity** *(Academic Analytics)*
- **Top 15 national university** *(U.S. News)*
- **Top 10 graduate engineering program popular with women** *(U.S. News)*
- **Home to two NSF Research Traineeships** *(Advancement of Surgical Technologies and AI for Understanding and Designing Materials) and a **NSF-IRES** for research visits to Germany.*

## CONTACTS

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## APPLY

**Deadline: December 14**

*GRE optional for 2024*

**mems.duke.edu/phd**

**pratt.duke.edu**