



### INTERDISCIPLINARY PATHWAYS: Master of Science in Mechanical Engineering

A **Master of Science (MS) in Mechanical Engineering** from Lehigh opens doors for students who have undergraduate degrees in engineering, physics, applied math, or related areas to pursue new opportunities in emerging fields.

In our **flexible program**, students enhance their mechanical engineering knowledge base through our **core curriculum**, then choose an optional **thesis or design project** in one of our interdisciplinary **research thrust areas** or customize their own **course concentrations**.

#### CORE CURRICULUM



controls and dynamics  
fluid mechanics  
mechanics of materials  
thermo & heat transfer  
mathematical methods

#### RESEARCH THRUST AREAS



sustainable energy systems  
engineering for health  
control systems & robotics  
bio-inspired engineering  
artificial intelligence & design  
computational mechanics

#### COURSE CONCENTRATIONS



aerospace  
robotics & automation  
energy & environmental policy  
technical entrepreneurship  
data science

