Students in the PhD in Mechanical Engineering program will be instructed in advanced core principles and have the opportunity to conduct research that will ultimately help solve problems in energy, healthcare, security and transportation.

Program Description
The PhD in Mechanical Engineering requires 75 semester credit hours minimum beyond the baccalaureate degree.

For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.

Career Opportunities
Graduates of the program seek positions such as: Professor, Research Scientists at corporate or national laboratories, Research and Development Engineer for the design, manufacturing, control, and operation of components and systems in energy, health care, security and transportation and Consulting Engineer in the public and private sectors.

 Marketable Skills
Upon successful completion of the PhD in Mechanical Engineering, graduates will be able to enter the workforce with the following skills:

- Identify research and development needs in engineering products or processes
- Evaluate technology and/or knowledge gaps
- Develop methods and solutions to bridge technology/knowledge gaps
- Conceive innovative solutions to engineering problems
- Develop and execute plans to realize solutions to engineering problems
- Mentor and/or teach in the Mechanical Engineering field

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