

Graduate Application Deadlines

PhD		
Term	Application Opens	Deadline to Submit Complete Application File
Fall	AUGUST 1 (year prior)	DECEMBER 15
Spring	JANUARY 15 (year prior)	MAY 15
Summer	AUGUST 1 (year prior)	OCTOBER 15

Master's and Certificates			
Term	Application Opens	Regular Application Deadline	Late Application Deadline (Additional Fee)
Fall	AUGUST 1 (year prior)	MAY 1	AUGUST 1
Spring	JANUARY 15 (year prior)	OCTOBER 1	DECEMBER 1
Summer	AUGUST 1 (year prior)	MARCH 1	MAY 1

HARNESSING THE WIND AT UTD

Texas leads the nation in generating wind energy and UTD researchers are key partners with industry and government in advancing the efficiency and ability of wind turbines on land and offshore. WindSTAR is a National Science Foundation-funded Industry/University Cooperative Research Center designed to decrease cost and increase efficiency in the wind industry. A collaboration between the University of Massachusetts Lowell and UT Dallas, the Center's research ranges from composites and blade manufacturing to energy storage and grid integration. Industry members include wind farm owners, blade manufacturers and composite manufacturers.

WHERE WE BUILD AND INNOVATE

Our spacious, state-of-the-art facilities, centered in a 200,000-square-foot LEED Gold certified building, provide every advantage for the student seeking hands-on experience in mechanics, materials, fluids, heat transfer, control systems, CAD, mechatronics and robotics. Mechanical engineering students also have access to the University's central machine shop and UDesign Studio, home of the Texas Instruments Innovation Lab and the UTD Makerspace.



ERIK JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE MECHANICAL ENGINEERING

800 W. Campbell Road, Richardson, TX 75080-3021

972.883.2974 | megrad@utdallas.edu

me.utdallas.edu
engineering.utdallas.edu

READY TO APPLY?

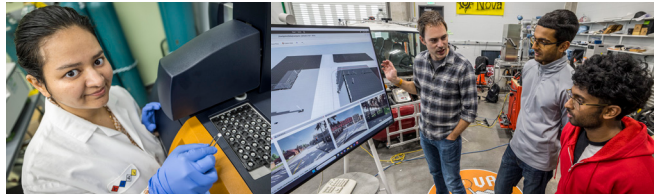
Scan the QR code below to get started.



THE UNIVERSITY OF TEXAS AT DALLAS
Erik Jonsson School of
Engineering and Computer Science

MECHANICAL ENGINEERING at UT Dallas

Graduates in UTD's sought-after Mechanical Engineering graduate programs are finding solutions to challenges that improve our quality of life in energy, healthcare, security and transportation. Conducting research supported at industry, federal and state levels, our faculty leads with industry experience and the pursuit of innovation, and our graduates are prepared to be technical leaders in emerging and existing industries. The MS program in Mechanical Engineering offers both a thesis and non-thesis option and we offer courses at times convenient to support the needs of working engineers.



visit us online

Research/Study Concentrations

- Advanced manufacturing
- Bio/nano technology
- Control systems and robotics
- Engineering education
- Experimental mechanics and nano-mechanics
- Fluid and thermal systems
- Sustainable energy and energy efficiency

Degrees

- MS in Mechanical Engineering
- PhD in Mechanical Engineering



APPLICATION REQUIREMENTS

apply now THE GRE IS NOT REQUIRED FOR ADMISSION TO THE MS OR PHD PROGRAMS.

To complete your application and be considered for admission to UTD, follow these steps:

- 1 Complete your graduate application.
- 2 Submit required credentials such as diplomas, degree certificates, college/university transcripts.
- 3 Review program requirements, such as letters of recommendation and personal statement/essay.
- 4 Pay the \$50 application fee.

For international students:

- \$50 nonrefundable international credential evaluation fee.
- Proof of English proficiency, if applicable.



Graduate Funding Opportunities

Scan the QR code to learn about teaching & research assistantships, scholarships & fellowships.

Estimated Cost of Attendance For 2025-26

	TEXAS RESIDENT		NON-RESIDENT
	ON CAMPUS	OFF CAMPUS	ON CAMPUS
Tuition and Fees	\$15,188	\$15,188	\$29,568
Housing and Food	\$15,125	\$15,013	\$15,125
Books	\$1,300	\$1,300	\$1,300
Transportation	\$1,664	\$2,800	\$1,664
Personal	\$2,250	\$2,250	\$2,250
Total	\$35,527	\$36,551	\$49,907

The cost of tuition varies from student to student. For the most accurate look, visit our tuition calculator at finaid.utdallas.edu/calculator.

TOP EMPLOYERS

Amazon • Bell Flight • Boeing • Emerson • L3Harris Technologies • Lockheed Martin • Tesla • Texas Instruments



"I chose UT Dallas because it allows me to make significant contributions to the wind energy field. Here I have access to all the tools and resources needed for effective research. I'm grateful I'll get to focus on my work while being surrounded by motivated students and passionate professors."

— Miguel A. Guzmán Hernández, PhD student



MECHANICAL ENGINEERING FACULTY

William Anderson, PhD
william.anderson@utdallas.edu

- Turbulent flows, environmental fluid dynamics, boundary layer meteorology

Connor Armstrong, PhD
Connor.Armstrong@UTDallas.edu

- Advanced manufacturing, machine learning, polymer material discovery

Rodrigo A. Bernal, PhD
bernal@utdallas.edu

- Mechanical properties of nanomaterials, multiphysics phenomena at the nanoscale, nanoscale metrology, MEMS and NEMS, electron microscopy

Shuang (Cynthia) Cui, PhD
Shuang.Cui@utdallas.edu

- Advanced thermal energy storage materials and systems, Intelligent soft materials/ devices, nanoscale heat transfer and energy conversion, grid-interactive efficient buildings, additive manufacturing, machine learning-driven materials design and development

Nandika D'Souza, PhD
nandika.dsouza@utdallas.edu

- Polymers and composites, sustainable material and design for carbon footprint, semiconductor packaging, porous foams and cellular lattice for acoustic, thermal and mechanical performance

Dani Fadda, PhD
fadda@utdallas.edu

- Thermal fluids sciences, multiphase flow and separation, filtration

Todd Griffith, PhD
tgriffith@utdallas.edu

- Structural dynamics, wind energy, rotor aero-mechanics

Robert Hart, PhD
robert.hart@utdallas.edu

- Fluid mechanics, thermal science, engineering education

Fatemeh Hassanipour, PhD
fatemeh@utdallas.edu

- Heat transfer and fluid mechanics

G. Valerio Iungo, PhD
valerio.iungo@utdallas.edu

- Fluid mechanics

Xinfang Jin, PhD
xinfang.jin@utdallas.edu

- Thermal fluids, transport phenomena, and energy storage and conversion

Yaqing Jin, PhD
Yaqing.Jin@utdallas.edu

- Fluid mechanics, renewable energy, fluid-structure interactions, turbulent flow, energy-efficient locomotion

Justin Koeln, PhD
justin.koeln@utdallas.edu

- Dynamic systems and control, energy systems, distributed control

Golden Kumar, PhD
golden.kumar@utdallas.edu

- Nanomanufacturing, metallic glasses, nanomechanics, surface engineering, phase transformations, and photothermal properties

Juyoung Leem, PhD
juyoung.leem@utdallas.edu

- Low-dimensional materials, nanomaterials, micro/nano systems, micro/nano fabrication and manufacturing, soft materials, intelligent systems, energy applications, photonics applications

Stefano Leonardi, PhD
stefano.leonardi@utdallas.edu

- Computational fluid mechanics, wind energy, super hydrophobic surfaces

Wei Li, PhD
wei.li@utdallas.edu

- Additive manufacturing, 3D printing, onsite repair and remanufacturing with AM process, fabrication and characterization of customized alloy with multi-materials

Jiannan Li, PhD
Jiannan.Li@UTDallas.edu

- 3D bioprinting for tissue engineering

Yaoyu Li, PhD
yaoyu.li@utdallas.edu

- Energy systems and mechatronics

Zhen (Jen) Liu, PhD
zhenjen.liu@utdallas.edu

- Interfacial phenomena, surface engineering, heat transfer, energy and fluids

Hongbing Lu, PhD
hongbing.lu@utdallas.edu

- Solid mechanics and nanomechanics

Arif Malik, PhD
arif.malik@utdallas.edu

- Computational structural mechanics, uncertainty, reliability-based design

Kristin Miller, PhD
Kristin.miller@utdallas.edu

- Biomechanics, mechanobiology, reproductive health, growth and remodeling, tissue engineering and regenerative medicine

Majid Minary, PhD
majid.minary@utdallas.edu

- Additive manufacturing, advanced manufacturing, materials processing

Xinchen Ni, PhD
Xinchen.Ni@utdallas.edu

- Mechanics, programmable materials, soft robots, machine learning

Hui Ouyang, PhD
hui.ouyang@utdallas.edu

- Aerosol technology, filtration, computational chemistry, thermal fluids science

Wooram Park, PhD
wooram.park@utdallas.edu

- Robotics and image processing

Dong Qian, PhD
dong.qian@utdallas.edu

- Computational solid mechanics and material science

Zhenpeng Qin, PhD
zhenpeng.qin@utdallas.edu

- Biotransport, neuro nanotechnology, point-of-care diagnostics

Oziel Rios, PhD
oziel.rios@utdallas.edu

- Robotics, CAD, design

Mario A. Rotea, PhD
rotea@utdallas.edu

- Control systems

Justin Ruths, PhD
jruths@utdallas.edu

- Control systems

Joshua Summers, PhD
Joshua.Summers@utdallas.edu

- Collaborative design, knowledge management, design enabler development with the overall objective of improving design through collaboration and computation

Tyler Summers, PhD
tyler.summers@utdallas.edu

- Control and optimization, power and energy networks, distributed robotics

Yonas Tadesse, PhD
yonas.tadesse@utdallas.edu

- Humanoids, smart materials, systems, mechatronics

P. L. Stephan Thamban, PhD
stephan@utdallas.edu

- Materials processing and process control diagnostics in semiconductor manufacturing

Walter Voit, PhD
walter.voit@utdallas.edu

- Shape memory polymers

Zejiang Wang, PhD
zejiang.wang@utdallas.edu

- Automated vehicles, intelligent transportation systems, and dynamics and control

Edward B. White, PhD
edward.white@utdallas.edu

- Fundamental and applied aerodynamics, especially related to laminar-to-turbulent transition and aerodynamic efficiency. Wind tunnel testing techniques and facility development

Guoping Xiong, PhD
Guoping.Xiong@utdallas.edu

- Heat transfer; energy storage and conversion; nanomaterials; solar energy harvesting; nanoscale fluid transport

Yanwen Xu, PhD
Yanwen.Xu@utdallas.edu

- Data analytics, physics-informed machine learning, reliability analysis, predictive modeling and uncertainty quantification, design under uncertainty, and stochastic optimization

S.M. You, PhD
you@utdallas.edu

- Heat transfer and thermal science

Kianoosh Yousefi, PhD
kyousefi@utdallas.edu

- Fluid dynamics, turbulence, turbulent boundary layer flows, air-sea interactions, free surface processes, surface gravity waves

Armin Zare, PhD
armin.zare@utdallas.edu

- Control and optimization, fluid mechanics

Jie Zhang, PhD
jiezhang@utdallas.edu

- Multidisciplinary design optimization, power and energy systems, renewable energy

Yue Zhou, PhD
zhou@utdallas.edu

- Energy storage, energy conversion, advanced manufacturing, electronic materials and devices