Degrees

- Ph.D. in Industrial Engineering
- M.S. in Industrial Engineering, Systems Engineering, Engineering Management, and Logistics
- M.Eng. in Industrial Engineering
- B.S. in Industrial Engineering

Student Composition and Diversity

U.S. News and World Report rated UTA as the 5th-most diverse university in the United States in 2017. The University is an Hispanic-serving institution and is one of the 40 most popular U.S. colleges and universities for international students, based on data from the Institute of International Education's 2014-15 Open Doors Report.

How to Apply

Begin your application for graduate admission today at **uta.edu/admissions/graduate/apply**. Please be sure to check application deadlines and include all of the required application materials and fees.

Financial Assistance

All applications for admission will be also be considered for assistantships, fellowships, and scholarships. Complete your application early to take advantage of all opportunities for financial aid.

Who Hires Our Graduates?

Graduates of the department work at many companies in the region, including Weatherford Aero, Bimbo Bakeries, PCC Aerostructures, Martin Sprocket, All Access Machining, Bell Helicopter, Freese and Nichols, Lockheed Martin, Raytheon, UPS, Reverse Logistics, Triumph, Lennox, Cook Children's Hospital, Mouser Electronics, Siemens, and Atlas Copco.

Learn More

For more information about the Industrial, Manufacturing, and Systems Engineering Department, visit our website at **uta.engineering/ie** or contact a graduate advisor:

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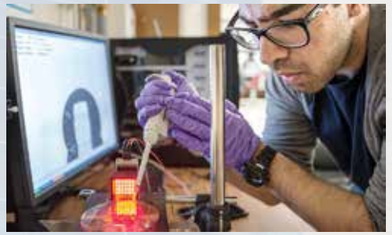
Why Pursue a Graduate Degree at UTA?

The Industrial, Manufacturing, and Systems Engineering Department is an enthusiastic community of students, faculty, staff, alumni, and industry partners dedicated to making industry and society more productive. There are 13 full-time faculty members in the department, each of whom teach and and do research in a wide range of areas.

An Impactful Research University

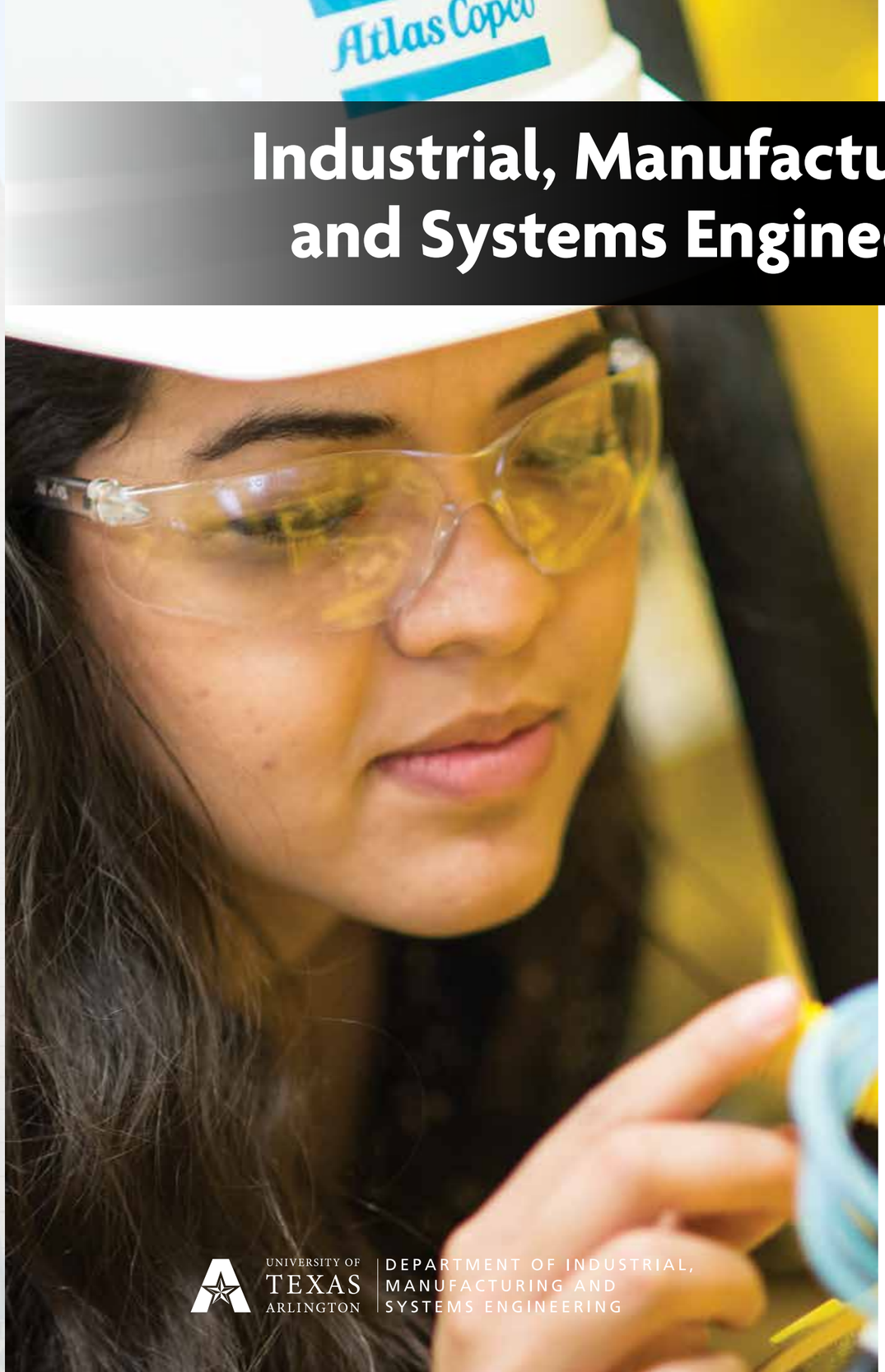
The University of Texas at Arlington is rising in stature through its commitment to transforming the lives of students and pushing the boundaries of knowledge. Dramatic, measurable advancements continue to propel the University toward its goal of becoming one of the nation's premier research institutions. UTA is designated an R-1 Carnegie "highest research activity" institution. Research activity at the university has more than tripled to more than $85 million over the past 10 years, with increasing expertise in bioengineering, medical diagnostics, micro-manufacturing, and defense and Homeland Security technologies, among other areas. With a projected total global enrollment of close to 57,000 students, UTA is one of the largest universities in Texas. UTA is a first-choice university for students seeking a vibrant college experience. In addition to receiving a first-rate education, our students participate in a multitude of activities that prepare them to become the next generation of leaders.



An Ideal Location

UTA is located in the heart of the Dallas/Fort Worth Metroplex, the fourth-largest metropolitan area in the United States. Arlington is located between the cities of Dallas and Fort Worth and is a center for sporting events, tourism and manufacturing. The Metroplex has one of the highest concentrations of corporate headquarters in the United States, with corporations such as Texas Instruments, AT&T, Ericsson, Lockheed Martin, Bell Helicopter Textron, Jacobs Engineering, and many more. Also, just minutes from campus, DFW International Airport and several interstate highways allow easy access to global collaboration and commerce.

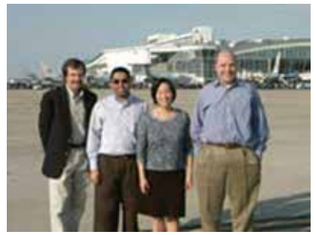
Industrial, Manufacturing, and Systems Engineering



UNIVERSITY OF TEXAS ARLINGTON | DEPARTMENT OF INDUSTRIAL, MANUFACTURING AND SYSTEMS ENGINEERING

State-of-the-Art Research Facilities

Center on Stochastic Modeling, Optimization, and Statistics (COSMOS):



The Center on Stochastic Modeling, Optimization, and Statistics (COSMOS) is a world leader in developing analytics that integrate ideas from statistics, mathematical optimization, and stochastic modeling, and applying these methods for decision-making in complex real-world systems.

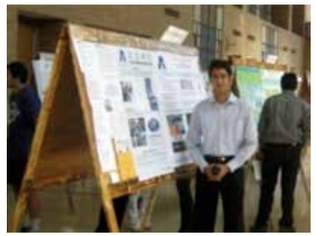
COSMOS includes collaborations with faculty across UTA in the Colleges of Engineering, Science, Business, Nursing, and Architecture, Planning, and Public Affairs, as well as UT Southwestern Medical Center in Dallas.

Radio Frequency and Auto Identification Labs:

The Radio Frequency and Auto Identification (RAID) Labs are made up of two high-class facilities: the RFID Lab and the Auto ID Lab. RAID aims to provide integrated solutions in logistics and other data-driven environments through automatic data capture, real-world prototypes, and analysis.

RAID strives to enhance company performance by using techniques from RFID, logistics and engineering management to support process improvement initiatives in manufacturing, health care, energy, and transportation.

Systems Engineering Research Center:



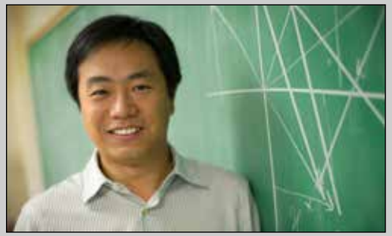
The Systems Engineering Research Center (SERC) supports innovative research in the design and development of complex man-made systems. This essential engineering discipline enables the successful conceptualization, definition, design, development, and sustainment of complex systems to meet stakeholder objectives.

Examples include large, sophisticated government and defense/national security systems, healthcare, energy, communications, transportation, and the integration between these large, complex systems. SERC is a premier industry and government collaborator, fostering mutually beneficial and ongoing relationships with its partners.

Current Research

Paul Componation has received a grant from the National Science Foundation to sponsor a workshop focused on developing research opportunities in advanced manufacturing for undergraduate students interested in a career in the aerospace industry.

A multi-disciplinary team led by Jay Rosenberger and including Victoria Chen and Aera LeBoulluec is optimizing and integrating volumes of data in a National Science Foundation research project to help physicians make better, more informed decisions about treating patients' pain.



Shouyi Wang is using a National Science Foundation grant to work with researchers at the University of Washington to develop a new, personalized respiratory-motion system that uses mathematical modeling to capture images of a patient's lung when it is depressed – offering a clearer, more precise image of the tumor to be destroyed.

Bill Corley and Jay Rosenberger have demonstrated a way to solve a broad class of previously unsolvable real-world decision problems. Their approach reduces the number of calculations so solutions in linear programming problems are obtained much faster than existing methods for large decision problems. This allows an organization to maximize profit, minimize costs, and allocate resources.

Faculty and Research Interests

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Facilities planning and design