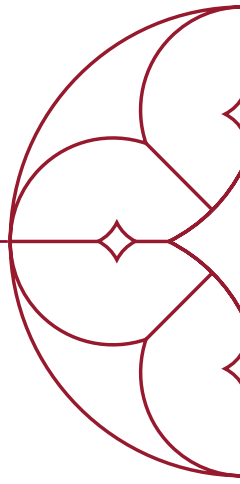




SCHOOL OF INDUSTRIAL AND SYSTEMS ENGINEERING



Industrial and Systems Engineering at OU provides outstanding education and experiences to students, for global, national, and regional leadership in the design, analysis and improvement of integrated systems. We prepare students to provide systems solutions that reduce costs, increase productivity, improve quality, and enhance the well being of society. Our graduates are employed by a diverse array of industries to include manufacturing, healthcare, distribution, transportation, and consultancy.

BY THE NUMBERS

\$75,000

Average starting salary for
OU ISE graduates

98%

Employment Rate of
ISE Students

17:1

Student to Faculty Ratio

MAJORS

Engineering Analytics

Industrial and Systems Engineering

Industrial and Systems Engineering:
Pre-Medicine

Accelerated (5-year) Dual Degree Programs

B.S./M.S. Industrial and Systems Engineering

B.S. Industrial and Systems Engineering:
Analytics/M.S. Industrial and Systems
Engineering

B.S. Industrial and Systems Engineering/M.B.A.

B.S. Industrial and Systems Engineering:
Analytics/M.S. Data Science and Analytics

CONTACT US

(405) 325-3721

Carson Engineering Center, Rm. 124
www.ou.edu/coe/ise

For general questions:
goengineering@ou.edu



Samantha Lynn, David Colindres, and Stella Beaty compete in the Institute for Industrial and Systems Engineering Senior Capstone Competition in Atlanta. Their project "Die Another Day: Optimizing Storage Chaos" for Johnson Controls, Inc. finished in the Final 4 in the nationwide competition.

“OU ISE has taken my problem-solving skills to the next level through real-world projects and hands-on lab experiences in manufacturing and ergonomics. With courses including statistics, operations research, and economics, this degree path prepares us with the skillset to make any process faster, cheaper, and better. I love the versatility of this degree with job opportunities spanning the transportation, aerospace, energy, finance, healthcare, and even entertainment industries. Yet, the best part of it all is easily the people. Having professors who invest in my success and classmates who have become best friends, ISE is a community I value being a part of.”

— Sydney Pierce, ISE Class of 2026

Terms to Know

Major—Primary area of study
Minor—Complimentary area of specialization

B.S.—Bachelor of Science
M.S.—Master of Science

M.B.A.—Master of Business Administration
M.E.S.—Master of Environmental Science



THINGS TO KNOW

1 Students in ISE make processes and systems better in every industry. You'll find graduates in aerospace, healthcare, manufacturing, oil and gas, finance, transportation, consulting, and everywhere in between. Our students integrate analytics and systems thinking, deploying statistics, optimization, and simulation software, designing people-centric tools, and operating cutting-edge manufacturing technology.

2 Our dynamic faculty provide students with skills that offer a remarkable variety of career path possibilities. Our students gain expertise in optimizing processes and designing systems, performing analysis for data-driven decision-making, managing and leading multi-disciplinary projects, engaging with people and with leading technology, and fostering an entrepreneurial spirit. These attributes position students at the forefront of emerging fields, enabling leadership careers.

3 The new BS in Engineering Analytics degree prepares graduates to harness capabilities in examining data, identifying trends, and making informed decisions to analyze and solve engineering problems. This program blends core engineering principles with cutting-edge tools in analytics, optimization, computing, and machine learning to drive smarter decisions in any industry. Students passionate about big-picture problem-solving, and transforming data into making systems better will find fulfillment in the Engineering Analytics path.



Students have access to cutting-edge machine and design shops throughout OU Engineering. Here, students are working in the ExxonMobil Lawrence G. Rawl Engineering Practice Facility.

SELECT COURSES

Production Systems and Operations
Spreadsheet Decision Support Systems
Data Driven Decision Making I & II
Advanced Human Factors and Ergonomics
Fundamentals of Engineering Economy

ISE STUDENT ORGANIZATIONS

Institute for Operations Research and Management Sciences (INFORMS)
Institute of Industrial and Systems Engineers (IISE)
+ over 60 engineering student organizations

CAREER PATHS

NASA Houston, TX
Operations Engineer
United States Postal Service
Palatine, IL
Operations Industrial Engineer
NVIDIA Santa Clara, CA
Technical Product Manager
Mastercard Chicago, IL
Associate Consultant
Boeing Oklahoma City, OK
Systems Engineer



Matthew Brooks, Avery Dickinson, and Megan Khoury compete in the Institute for Industrial Engineering Senior Capstone Competition in New Orleans. Their project "Re-examining SAP Exchange Systems" for Belcan Consulting finished in the Elite 8 in the nation-wide competition.