



About Industrial and Systems Engineering

The Department of Industrial and Systems Engineering (ISYE) offers a B.Sc. degree in Industrial and Systems Engineering and a B.Sc. degree in Industrial Engineering Technology. ISYE prioritizes supporting student success through experiential learning opportunities in a friendly community and advancing knowledge by means of research and innovation.

The department's 13 full-time faculty are committed to both industry- and government-funded research projects focusing on health systems, sustainable energy, manufacturing, data analytics, human factors, and related fields.

The Southern Polytechnic College of Engineering and Engineering Technology at Kennesaw State is the second largest engineering college in Georgia, serving more than 5000 students, including over 600 in Industrial and Systems Engineering.

All undergraduate engineering programs are accredited by the Accreditation Board for Engineering and Technology (ABET).

What Does Industrial and Systems Engineering Do?

ISYE focuses on systems integration, places more emphasis on human interaction, has an information systems mentality, is concerned with the broader business orientation, and more directly involved with process and process improvement.

(Engineering + Management)

<https://engineering.kennesaw.edu/systems-industrial/>

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Find out More!



Industrial and Systems Engineering

Educating Innovative,
Human-Centered and
Forward-Thinking
Engineers



Experiential Learning & Practical Experience

Based at Kennesaw State's Marietta Campus, ISYE offers students extraordinary learning opportunities in state-of-the-art facilities, with instructional hands-on laboratories such as facilities design and plant layout lab, systems simulation lab, ergonomics and human factors lab, engineering design graphics lab, 3D (3-dimensional) center, and machine shop.

ISYE students can gain engineering industry experience through internships, co-ops, and numerous research opportunities. Students can earn Six Sigma Green Belt in their degree that is designed for professionals charged with creating, identifying or improving processes.

ISYE students can get involved in the many engineering student organizations and competition teams offered on campus, including Institute of Industrial & Systems Engineers (IISE), International Council on Systems Engineering (INCOSE), and Alpha Pi Mu Honor Society.

What Can I Do with an ISYE Degree?

According to the BLS, ISYE is projected to grow at 10% (faster than average) over the next 10 years; nearly 30,600 more demand in the same 10-year period and is ranked 9th in Job Satisfaction. Engineers with an ISYE degree make a median annual wage of \$96,000.

Some of the companies who have hired KSU ISYE graduates include:

- Lockheed-Martin
- UPS
- Mercedes Benz
- Home Depot
- MAYO Clinic
- AT&T
- Siemens
- Shaw Industries
- Vanderlande
- Honda Motor Co.
- And more!



Industrial Engineering Program

Students in Industrial Engineering (IE) study, install, and improve systems that integrate people, materials, and machines to enhance efficiency. Systems include production systems, healthcare systems, and service systems. Our IE Program is ideal if students are interested more in the business side of industrial and systems engineering.

Industrial Engineering Technology Program

Industrial Engineering Technology (IET) is one of the largest branches of engineering technology field that implements the principles of industrial engineering for various applications such as supply chain logistics and quality management. Like industrial engineering, IET deals primarily with the process management of money, materials, and labor in a business and/or industrial environment.



Systems Engineering Program

Systems Engineering (SyE) is responsible on a larger scale for bringing together components of parts from design engineers to make a complete product and making sure all components of a product work together as was intended by design engineers. Our SyE Program is ideal if students are interested more in the technical side of ISYE or are interested in working for government or for industrial sectors like automotive or aerospace.