Industrial and Systems Engineering

COLLEGE OF ENGINEERING AND SCIENCE

MAJOR

• Industrial and Systems Engineering (BS)*

ACADEMIC CONTACT

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SlipperyRock University

WHAT CAN I DO WITH AN INDUSTRIAL AND SYSTEMS ENGINEERING DEGREE?

Industrial/systems engineers solve complex problems and challenges in many industries including: manufacturing, energy, production, logistics, healthcare, semiconductor and consulting. The Industrial and Systems Engineering (ISE) program at Slippery Rock University is designed to provide students with the knowledge, skills and tools needed to pursue a successful career as an industrial or systems engineer. Industrial/systems engineers use their technical expertise to optimize production processes by minimizing wastefulness and maximizing productivity. They design efficient and creative systems that integrate workers, machines, materials, information and energy to make a product or provide a service. The annual median wage for industrial engineers was $99,380 as of May 2023. Employment of industrial engineers is projected to grow 10% from 2021 to 2031, faster than the average for all occupations.

INDUSTRIAL AND SYSTEMS ENGINEERING AT SRU

The industrial and systems engineering curriculum is designed to produce highly skilled graduates equipped with solid scientific knowledge and professional skills to achieve a rewarding career in an industry of high demand. The curriculum provides students with a hands-on and in-depth learning experience which covers the major fields of study in industrial and systems engineering, including new and highly marketable skills in Six Sigma, sustainable processes, manufacturing systems design, lean systems, supply chain and logistics, quality engineering, operational research, engineering project management, health care systems and human factor.

WHY CHOOSE ISE AT SRU?

1. A four-year, 128-credit program. Our Industrial & Systems Engineering program is fully accredited by the Accreditation Board for Engineering and Technology (ABET) to ensure our program meets the quality standards that produce graduates ready to enter the workforce.
2. Small class sizes and hands-on engineering design experience.
3. Internship opportunities and career advising.
4. Most affordable engineering program in the region.
5. SRU offers a year-long capstone design.

CAREER OPPORTUNITIES

Graduates have the opportunity to work in a broad range of careers in a variety of locations around the world. The career options include:

• Industrial Engineer

• Systems Engineer

• Quality Engineer

• Value Engineer

• Supply Chain Manager

• Logistics Specialist