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

Industrial/systems engineers solve complex problems and challenges in a variety of areas including: manufacturing, energy, production, logistics, healthcare, semiconductor and consulting. The Industrial and Systems Engineering 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 $85,880 (May 2017). Employment of industrial engineers is projected to grow 10 percent from 2016 to 2026, 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 INDUSTRIAL AND SYSTEMS ENGINEERING AT SRU?

1. Small lab and class sizes: Labs are capped at 18 students and the average class size at SRU is 25, providing students a more individualized classroom experience.

2. Dedicated faculty: All courses will be taught by dedicated teaching faculty with terminal degrees and, in some instances, by professional engineers. Program faculty are dedicated to teaching excellence and they genuinely care about your success. Faculty bring their professional, research and industry experience to the classrooms to enhance your learning experience.

3. State-of-the-art laboratories: The program is equipped with several teaching laboratories, including two advanced laboratories to expose students to hands-on experiments.

4. Internship opportunities and career advising: Although internships are not required, students are encouraged to seek summer internships. Engineering faculty actively seek internship opportunities for their students from engineering companies, design firms and governmental agencies.

5. High-quality program: Our engineering program is designed to meet or exceed the requirements of the Accreditation Board for Engineering and Technology to ensure our program meets the quality standards that produce graduates ready to enter the workforce.