The School of Engineering Education is recognized globally as the leading academic unit of its type — the first engineering department in the world whose research is centered on an evidence-based approach to improving the education of engineers.

Our mission is to “transform engineering education based on scholarship and research” about how people learn by rethinking the boundaries of engineering and the purpose of engineering education. Formed in 2004, the School takes the proud tradition of innovation in education pioneered by Freshman Engineering and the Interdisciplinary Engineering Program to the next level.

For our undergraduate students, that means a transformed educational experience in the First-Year Engineering Program, future-focused academic programs in Interdisciplinary Engineering, and opportunities for conducting research on engineering education.

Having implemented a “flipped classroom” environment on an unprecedented scale in our Ideas to Innovation Learning Laboratory, we engage 2,400 First-Year Engineering students each semester in hands-on problem-solving, design, and teamwork that will ably prepare them for their chosen engineering disciplines.

Our unique Interdisciplinary Engineering Program offers two degrees: the BS in Multidisciplinary Engineering and the BS in Interdisciplinary Engineering Studies. These offer a variety of plans of study at the cutting edge of new and emerging areas of engineering including acoustical, nano-engineering, lighting, humanitarian and management engineering. Students also have the option of creating a customized plan. Thus this program opens engineering to students from more diverse backgrounds, enabling them to pursue their individual intellectual interests.

At the graduate level, our first-to-the-world PhD Program in Engineering Education is producing agents of change who are transforming engineering education in the many universities across the nation where they now work. And INSPIRE, the Research Institute for Pre-College Engineering, founded with generous start-up funding from the S.D. Bechtel, Jr. Foundation, continues to pioneer new, research-backed approaches to introducing more elementary schoolchildren to engineering and understanding how young minds best learn engineering concepts.

Through Ever True: The Campaign for Purdue University, we will extend these pioneering efforts — and thus address the national call for educating the next generation's engineers.

HOW YOU CAN HELP
All our programs — First-Year Engineering, Interdisciplinary Engineering, and the PhD in Engineering Education — are designed to place students, and student learning, first. The specific giving opportunities (see back) offer you a range of ways to join in this effort. We invite you to partner with us to ensure the preeminence of Purdue Engineering to prepare future engineers to meet the global grand challenges ahead.

CAMPAIGN INITIATIVES >
**FIRST-YEAR ENGINEERING INNOVATIONS**

Our Ideas to Innovation Learning Laboratory has changed the educational experience for all 2,400 Purdue First-Year Engineering students. *Your support for First-Year Engineering innovations* will help us create the next generation of the Lab to provide a fully integrated, authentic learning experience to our first-year engineers.

**MULTIDISCIPLINARY IMAGINEERIUM**

The ABET-accredited BS in Multidisciplinary Engineering attracts a diverse range of students who engage in new and emerging fields of engineering. *Your support for the Multidisciplinary Imagineerium* will enable us to provide a state-of-the-art learning environment for these extraordinarily creative students to design the future.

**UNDERGRADUATE RESEARCH FELLOWSHIPS**

*Your support for endowed undergraduate research fellowships* will enable us to give many more undergraduate students the opportunity to develop their professional knowledge and skills by conducting research on engineering education, especially related to increasing participation rates in Science, Technology, Engineering and Mathematics, or STEM.

**PHD EXPLORATION FELLOWSHIPS**

Our PhD Program in Engineering Education already has over 60 graduates, and the demand is very strong. *Your support for PhD Exploration Fellowships* will enable us to attract even more students from diverse backgrounds to extend this pioneering work.

**PRE-COLLEGE RESEARCH**

INSPIRE, the Research Institute for Pre-College Engineering, conducts research in engineering thinking and learning across all levels of pre-college students. *Your support for our pre-college research* will enable us to expand the national reach and impact of this transformational work.