

# ENGINEERING DESIGN

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<b>Graduate Program Head</b>	David Mazyck
<b>Program Code</b>	EDSGN
<b>Campus(es)</b>	University Park (M.S., M.Eng.)
<b>Degrees Conferred</b>	Master of Science (M.S.) Master of Engineering (M.Eng.)
<b>The Graduate Faculty</b>	View ( <a href="https://secure.gradsch.psu.edu/gpms/?searchType=fac&amp;prog=EDSGN">https://secure.gradsch.psu.edu/gpms/?searchType=fac&amp;prog=EDSGN</a> )

**\*\*Beginning in the fall 2025 semester, the Engineering Design (EDSGN) M.Eng. and M.S. program will be changing to the Engineering Design and Innovation (EDI) graduate program.\*\***

The EDI program will include changes to core required courses to include a required course in Engineering Design (EDSGN), Engineering Leadership and Innovation Management (ELIM), Engineering, Law, and Policy (ELP), and Entrepreneurship. The EDI program will also provide an opportunity to pursue a focus area within one of those 4 core areas. Students entering the EDSGN graduate program prior to the fall 2025 semester will be able to complete the EDSGN program or can choose to switch to the new EDI program.

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The Engineering Design (DESIGN) program prepares the innovators of the future. Students may specialize in Design Computing, Product Realization, Human-Centered Design, and Humanitarian Engineering Design. Design Computing applies advanced computing to supercharge designers' abilities to create personalized products and services. Product Realization focuses on designing adaptive, flexible, and innovative products that challenge traditional product design and manufacturing approaches in support of growing markets. Human-Centered Design focuses on starting with empathy and applying rigorous processes and tools to transform user needs into viable engineered solutions. Humanitarian Engineering Design focuses on developing scalable and sustainable solutions for products, processes, and services that have the potential to change lives for millions of people in resource-constrained communities around the world.