SEDAPP provides a unique graduate school experience. In contrast to more traditional departments at Penn State’s College of Engineering, which focus on single fields of engineering, SEDAPP’s graduate program offers engineers of all disciplines the ability to work together to solve design challenges. Programs are grounded in design methodology and offer engineering students opportunities to differentiate themselves by honing skills across a wide range of design-focused topics. Its faculty possesses an uncommonly rich industry background and focuses on practical and relevant curricula. SEDAPP has launched a new master’s program in engineering design, now enrolling for Fall 2015.

New Master’s Program in Engineering Design

SEDAPP’s engineering design program focuses on the integration of ideas, disciplines, people, and resources within engineering and other disciplines that are necessary to achieve optimal design solutions for products, systems, processes, and services.

Degrees Offered

**MASTER OF SCIENCE (M.S.) IN ENGINEERING DESIGN**
- Two-year thesis program
- Significant research component
- 32 credits

**MASTER OF ENGINEERING (M. ENG.) IN ENGINEERING DESIGN**
- One-year professional non-thesis program
- Includes internship or scholarly paper
- 32 credits

Program Enrichment Opportunities

Students in the Engineering Design Master’s Program may also take 400-level courses from any of the following SEDAPP programs:
- Engineering Design
- Engineering Leadership Development
- Entrepreneurship & Innovation
- Humanitarian Engineering and Social Entrepreneurship

PROGRAM STRENGTHS

- Design methods
- Systems design
- Design for human variability
- Design cognition (decision making)
- Global design with worldwide partners
- Innovative design
- Client-based design project experiences

Labs & Facilities

- OPEN Design Lab
- Design Analysis Technology Advancement Laboratory
- Britelab
- Integrated Design Solutions Group
- Applied Decision Analysis for Improved Products & Systems Group
- Systems Design Lab
- Center for Engineering Design and Entrepreneurship

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