Industrial Design

Jefferson.edu/BSIndustrialDesign

Jefferson is known for crossing disciplines to reimagine the way students learn with an approach that is collaborative and active; global; integrated with industry; focused on research across disciplines to foster innovation and discovery; and technology-enhanced. As a national doctoral research university, Jefferson delivers high-impact professional education in 160 undergraduate and graduate programs to 7,800 students in architecture, business, design, engineering, fashion and textiles, health, social science and science.

The School of Design and Engineering emphasizes in-depth exploration of individual design and engineering disciplines, while encouraging interdisciplinary communication and collaboration. Classes stress conceptual thinking, design excellence, intellectual curiosity and creative expression, combining a focused concentration on one particular field with a broad-based educational foundation that fosters critical thinking skills in a global context. This multi-tiered approach provides graduates with the knowledge and skills to navigate professional challenges successfully and to reap the rewards of leadership and success in their careers.

Program Highlights

- Work in an open, collaborative studio environment.
- Make drawings and 3D models, build prototypes and incorporate real user feedback with a sustainable approach.
- Collaborate on global design teams on real projects with leading companies like Unilever, Comcast and Johnson & Johnson to sharpen your skills through travel and research.
- Learn from expert faculty with industry ties.
- Work on projects for actual clients like Philips, Rubbermaid and Knoll.
- Explore unique concentrations in health/medical design, lighting, furniture, soft goods/active sports and more.
- Study abroad in Europe, Australia or Asia.
- Realize your designs using rapid prototyping technologies.

Career and Internship Highlights

The Industrial Design program is known for educating innovative professionals that transform the lives of people worldwide:

- Work in an industrial design firm developing products, services and user experiences for a variety of clients.
- Take an entrepreneurial approach and pursue your own start-up.
- Work in-house at a company like Lockheed, Nike, Humanscale or Kohler, designing innovative ways to improve products and services.
- Work in a research consultancy like Design Science, finding and documenting new product needs.
# Curriculum

<table>
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<tr>
<th>YEAR</th>
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| 1    | Writing Seminar I: Written Communication  
Debating U.S. Issues  
Mathematics  
Design 1 for Industrial Design  
Design 2 for Industrial Design  
History of Western Art I  
CAD 1 for Industrial Design  
Materials and Processes: Fabrication  
Drawing Essentials  
Business Models |
| 2    | Science: Physics  
Ethics  
Global Diversity  
Writing Seminar II: Multimedia Communication  
Design Processes  
Design 3 for Industrial Design (Fall)  
Design 4 for Industrial Design (Spring)  
Drawing: Design & Development  
History of Design & Communication  
Materials & Processes for Manufacturing |
| 3    | American Diversity  
Global Citizenship  
Debating Global Issues  
Ethnographic Research Methods  
Design 5 for Industrial Design  
Design 6 for Industrial Design  
Design History & Theory  
Ergonomic Studies  
Drawing: Design & Development  
Free Elective (3 credits) |
| 4    | Capstone Folio Workshop  
Design 7 for Industrial Design  
Design 8 for Industrial Design  
Concentration (9 credits)  
History of Western Art II  
Free Elective (6 credits) |