

# INDUSTRIAL DESIGN (MS)

## Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/kanbar-college-of-design-engineering-commerce/school-of-design-engineering/academic-programs/ms-industrial-design.html>)

## Program Description

- **STEM** designated program

MS in Industrial Design is a professional program based on interdisciplinary project work. In this program, you will learn to design effectively at the collaborative and chaotic "front end" of the product-development process. You will work with product users, researchers, businesspeople, engineers and manufacturers to create products and systems that are better at serving their users, societies and the world at large.

## Learning Goals/Outcomes

- Informing design through creative research into user needs
- Working closely with business, engineering and other disciplines to design platforms and systems- not just isolated objects
- Designing intelligent products for the "internet of things," integrating hardware, software and electronic interactivity
- Understanding and designing for global societies
- Prepare graduates for entrepreneurial work in the field, or for a position in a corporate design department or design-consulting firm.

## Curriculum: 2 Years, 34-58 Credit

| Course             | Title                           | Credits   |
|--------------------|---------------------------------|-----------|
| <b>First Year</b>  |                                 |           |
| <b>Fall</b>        |                                 |           |
| INDD 500           | Skills & Methods for Ind Dsgn   | 3         |
| INDD 501           | Design 1 for Industrial Design  | 4         |
| INDD 503           | Vis for Industrial Design I     | 3         |
| INDD 700           | Research & Desn Process Meths   | 3         |
| INDD 703           | User Centered Design            | 4         |
| <b>Credits</b>     |                                 | <b>17</b> |
| <b>Spring</b>      |                                 |           |
| INDD 704           |                                 | 5         |
| INDD 707           | Current Issues in Ind Dsg       | 3         |
| INDD 510           |                                 | 3         |
| INDD 506           |                                 | 3         |
| INDD 507           | Mats & Proc: Manufacturing      | 3         |
| <b>Credits</b>     |                                 | <b>17</b> |
| <b>Second Year</b> |                                 |           |
| <b>Fall</b>        |                                 |           |
| INDD 803           | Master's Proj I: Implementation | 4         |
| SDE 600            | Prototyping Inter Interfaces I  | 3         |
| General Elective   |                                 | 3         |
| General Elective   |                                 | 3         |
| <b>Credits</b>     |                                 | <b>13</b> |

| Course               | Title                         | Credits   |
|----------------------|-------------------------------|-----------|
| <b>Spring</b>        |                               |           |
| INDD 701             | Design Bus & Entrepreneurship | 3         |
| INDD 804             | Master's Proj II: Dev & Eval  | 5         |
| General Elective     |                               | 3         |
| <b>Credits</b>       |                               | <b>11</b> |
| <b>Total Credits</b> |                               | <b>58</b> |