

INDUSTRIAL DESIGN (BS)

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/industrial-design.html>)

Program Description

- **STEM** designated program

Equips students to work with product users and other stakeholders to create attractive, meaningful and usable products and systems. The program prepares students to respond thoughtfully and creatively to challenges and opportunities presented by technological advances, social development and cultural change. The strengths of the program are its interdisciplinary culture, the broad and deep expertise of the faculty, collaboration with industry, and engagement with the design community. Insights and unique collaborative project opportunities offer themselves to design students on a campus that hosts programs in related and relevant professions. Studio life is characterized by work dynamics found in design consultancies, corporate design departments, and entrepreneurial ventures.

Learning Goals/Outcomes

- To understand design as a human-centered inquiry informed by the liberal arts, the fine arts, business, engineering, and the sciences.
- To evolve the students' understanding of their own professional development in the context of local, national and global issues.
- To nurture critical thinking skills in which the intuitive, the analytical and the pragmatic elements of the design process are supported.
- To prepare students for interdisciplinary collaborations that embrace, synthesize and unify issues for the benefit of all stakeholders in the product innovation process.
- To engage the discourse on the industrial design profession's practice, history and current development.
- To impart the skillset required to produce professional deliverables and manage innovation processes effectively

Curriculum: 4 Years, 127-129 Credits

Course	Title	Credits
First Year		
FYS 100	Pathways Seminar	1
WRIT 101	Writing Sem I: Written Comm.	3
Math Selection		3
AVIS 101	American Visions	3
INDD 101	Design 1 for Industrial Design	4
INDD 102	Design 2: Industrial Design	4
INDD 106	Materials & Processes Fab	3
INDD 206	CAD I for Industrial Design	3
INDD 107	Vis for Industrial Design I	3

Course	Title	Credits
INDD 108	Vis for Industrial Design II	3
PHYC 201	Physics I	3
Credits		33
Second Year		
Ethics Selection		3
WRIT 201	Writing Seminar II: Multi Comm	3
GDIV Selection		3
INDD 201	Design 3: Industrial Design	4
INDD 202	Design 4: Industrial Design	4
INDD 207	Mats & Proc: Manufacturing	3
DECF 102	Finding & Shaping Opportunity	3
ARTH 103	A Survey of the History of Art	3
INDD 206	CAD I for Industrial Design	3
INDD 324	History of Design & Comm	3
Credits		32
Third Year		
GCIT Selection		3
ADIV Selection		3
CGIS 300	Contemporary Global Issues	3
DECS Selection		3
DECM 300	Research Methods	3
INDD 301	Design 5: Industrial Design	4
General Elective		3
INDD 210	Ergonomic Studies	3
INDD 302N	Design 6: Industrial Design	5
INDD 304	Design History/Theory	3
Credits		33
Fourth Year		
General Elective		3
PHIL 499	Philosophies of the Good Life	3
DSN Electives for Exploration or Concentration		9
INDD 401N	Design 7: Industrial Design	5
INDD 402N	Design 8: ID Capstone	5
Art , Design, History, Theory Elective		3
Credits		28
Total Credits		126