Industrial Design

http://www.design.iastate.edu/industrialdesign/index.php

Undergraduate Study

B.I.D. Bachelor of Industrial Design Students in this program take a carefully defined sequence of courses developed to give them exposure and practice in the areas of theory and skill required by industrial design. These include drawing, form development, history, creative thinking, engineering principles, research, design methodology, human factors, computer-aided design, manufacturing and commercial factors. In their third year, students will select electives from concentration tracks arranged around specialty areas and current issues in the profession. The upper level studio classes are reserved for study abroad, internships, and sponsored projects with students from other departments and colleges.

Curriculum in Industrial Design

The Curriculum in Industrial Design leads to a 132.5 credit undergraduate Bachelor of Industrial Design including the 30.5 credit core Design Program.

Admission into the professional program depends upon available resources and is subject to the approval of a faculty committee at the completion of the Core Design Program. Applicants are reviewed on the basis of academic performance, a portfolio of original work, and a written essay.

Transfer students with studio credits from other programs, colleges, and universities must present for departmental review a portfolio of work done in those courses in order to have the credits apply toward studio requirements. Students are required to present this portfolio upon admission and prior to registration for classes. Arrangements for this process must be made with department advisors.

A 45 graduate credit post-professional graduate program is also offered leading to the degree Master of Industrial Design. (NOTE: Applicants without a degree or background in industrial design may be required to complete up to 18 additional credits of coursework.)

Total Degree Requirements: 132.5 cr.

Only 65 cr. from a two-year institution may apply which may include up to 16 technical cr.; 9 P-NP cr. of free electives; 2.00 minimum GPA.

International Perspective: 3 cr.

U.S. Diversity: 3 cr.

Communications: 10 cr.

ENGL 150	Critical Thinking and Communication (*)	3
ENGL 250	Written, Oral, Visual, and Electronic Composition (*)	3
LIB 160	Information Literacy	1
One of the following:		3
COMST 101	Introduction to Communication Studies	
COMST 102	Introduction to Interpersonal Communication	
CMDIS 286	Communicating with the Deaf	
SP CM 110	Listening	
SP CM 212	Fundamentals of Public Speaking	
THTRE 251	Acting I	
Total Credits		**10**

* with a C- or better

Humanities: 6 cr.

6 cr. from program curriculum sheet

Social Sciences: 6 cr.

6 cr. from program curriculum sheet

Math/Physics/Biol.Sciences: 6 cr.

6 cr. from program curriculum sheet

General Education Courses: 9 cr.

6 cr. of course level 300-400 from program curriculum sheet: complete 3 cr. from department curriculum sheet.

College of Design Core: 11.5 cr.

DSN S 102	Design Studio I	4
DSN S 115	Design Collaborative Seminar	0.5-1
or DSN S 110	Design Exchange Seminar I	
DSN S 131	Design Representation	4
DSN S 183	Design Cultures	3
Total Credits		**11.5-12**

History, Theory and Criticism: 15 cr.

IND D 231	Introduction to Industrial Design	3
IND D 387	History of Industrial Design I	3
IND D 388	History of Industrial Design II	3
Two courses from the approved course list; must include one 300 level or higher.		6

Industrial Design: 60 cr.

IND D 201	Industrial Design Studio I	6
IND D 202	Industrial Design Studio II	6
IND D 232	Creative Thinking for Industrial Design	3
ARTID 251	Human Factors in Design	3
ENGR 260	Engineering: Getting from Thought to Thing	3
ENGR 270	Survey of How Things Work	3
IND D 301	Industrial Design Studio III	6
IND D 332	Design Research Methods	3
IND D 334	Materials and Processes for Industrial Design	3
IND D 341	Computer Aided Industrial Design I	3
IND D 499	Senior Project	6
IND D 543	Portfolio and Professional Practice	3
Two of the following:		12
IND D 397	Industrial Design Internship	
IND D 495	Study Abroad Option	
IND D 507	Industrial Design Practicum	
Total Credits		**60**

Concentration track electives: 9 cr.

Sequence of electives assembled to create a focused area of study.

See also: a 4-year plan of study grid showing course template by semester.

Graduate Study

The Master of Industrial Design (M.I.D.) is traditionally recognized as a terminal degree in industrial design for students with or without industrial design degrees or backgrounds. Applicants with an industrial design degree or background will take a minimum of 45 credits. Applicants with no industrial design degree or background will be required to take up to 18 additional credits for successful completion.

The graduate program is designed to offer the most relevant mix of skills and experience, including directed research programs, internships, international travel and industry-sponsored coursework. Program faculty will teach courses in design thinking, innovation, product development, project management, system and service design, interaction, eco-design, social responsibility, and entrepreneurship.

ISU's Master of Industrial Design (M.I.D.) program emphasizes strategy and innovation grounded in the synergy between research and practice. Students may choose to focus on the creation of new knowledge and culminate their graduate studies through a research-based thesis. Or, students may focus on the application of research in solving complex design problems and commercial issues of product realization that culminates in a final project followed by a written report. Students will also be able to explore advanced concepts in such areas as extended manufacturer responsibility, supply chain and logistics, international vendor relations, advanced materials and biopolymers, and alternative business models.