

INDUSTRIAL DESIGN (BFA)

The BFA in Industrial Design integrates drawing, graphic design, and experience design with courses in science, math, computer science, physics and computer-aided design/manufacturing/engineering. Unique to the program are required classes in marketing, management and sustainability. Students create under the constraints of what is possible and practical using established manufacturing techniques. Graduates of the program learn to design, make and scale through an iterative process from prototyping to manufacturing.

Program Requirements	Quarter Hours
Liberal Studies Program	52
Required Courses	136
Major Electives	12
Open Electives	8
Total hours required	208

Students will be able to:

- Analyze a system through reconfiguration and sensory awareness.
- Design objects through the intentional use of template systems and geometric principles.
- Evaluate the generative nature of material as it informs design.
- Utilize principles of interconnectedness and modularity in the design of objects.
- Create objects or systems that explore extreme scales.
- Determine the broader impact of an object within its environment.

Liberal Studies Requirements

Honors program requirements can be found in the individual Colleges & Schools section of the University Catalog. Select the appropriate college or school, followed by Undergraduate Academics and scroll down.

First Year Program	Hours
Chicago Quarter	
LSP 110 DISCOVER CHICAGO or LSP 111 or EXPLORE CHICAGO	4
Focal Point	
Not Required	
Writing	
WRD 103 COMPOSITION AND RHETORIC I ¹	4
WRD 104 COMPOSITION AND RHETORIC II ¹	4
Quantitative Reasoning	
MAT 120 QUANTITATIVE REASONING ²	4
Sophomore Year	
Race, Power, and Resistance	
LSP 200 SEMINAR ON RACE, POWER, AND RESISTANCE	4
Junior Year	
Experiential Learning	
Required	4
Senior Year	
Capstone	
Required ¹	6

¹ Students must earn a C- or better in this course.

² Readiness for MAT 120 is determined by the math placement test taken online after admission. Students may need to take developmental coursework prior to MAT 120. The MAT 120 requirement may be waived by credit already earned for advanced math coursework or by passing a dedicated proficiency exam.

Learning Domains

Arts and Literature (AL) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/arts-and-literature/>)

- 2 Courses Required

Historical Inquiry (HI) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/historical-inquiry/>)

- 1 Course Required

Math and Computing (MC) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/math-and-computing/>)

- Not Required

Philosophical Inquiry (PI) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/philosophical-inquiry/>)

- 1 Course Required

Religious Dimensions (RD) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/religious-dimensions/>)

- 1 Course Required

Scientific Inquiry (SI) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/scientific-inquiry/>)

- 1 Lab Course Required

Social, Cultural, and Behavioral Inquiry (SCBI) (<https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/social-cultural-and-behavioral-inquiry/>)

- 1 Course Required

Notes

Specified required courses within Liberal Studies may have grade minimums (e.g. C- or better). Please consult your advisor or your college and major requirements.

Courses offered in the student's primary major cannot be taken to fulfill LSP Domain requirements. If students double major, LSP Domain courses may double count for both LSP credit and the second major. Students who choose to take an experiential learning course offered by the major may count it either as a general elective or the Experiential Learning requirement.

Major Requirements

Course Requirements

Course	Title	Quarter Hours
ID 100	INTRODUCTION TO INDUSTRIAL DESIGN	4
ID 101	METAPHYSICS OF OBJECTS	4
ID 104	HAPTICS	4
ID 105	DIGITAL MANUFACTURING	4
ID 210	PROCESSES AND MATERIALS (This is a 2 hour course that must be taken 5 times for 10 hours total) ¹	2
ID 250	DRAWING TECHNIQUES FOR INDUSTRIAL DESIGN	4
ID 300	HISTORY OF INDUSTRIAL DESIGN	4
ID 391	INDUSTRIAL DESIGN STUDIO I (This is a 6 hour course that must be taken twice for 12 hours total) ²	6
ID 392	INDUSTRIAL DESIGN STUDIO II (This is a 6 hour course that must be taken twice for 12 hours total) ³	6
ID 395	SPECIAL TOPICS IN INDUSTRIAL DESIGN	4
Select twelve (12) credit hours of Major Electives		12
Select eight (8) hours of Open Electives		8

¹ ID 210 is a 2-credit course. Students must enroll in and successfully complete this course 5 times for a total of 10 credit hours.

² ID 391 is a 6-credit course. Students must enroll in and successfully complete this course 2 times for a total of 12 credit hours.

³ ID 392 is a 6-credit course. Students must enroll in and successfully complete this course 2 times for a total of 12 credit hours.

Math and Science

Course	Title	Quarter Hours
MAT 130	FUNCTIONS AND MATHEMATICAL MODELS	4
MAT 131	PRECALCULUS AND TRIGONOMETRY	4
PHY 110	BASIC ELECTRONICS: PRINCIPLES & TECHNIQUES	4
PHY 120	HOW THINGS WORK	4

Art and Design

Course	Title	Quarter Hours
ART 105 or GD 105	TWO-DIMENSIONAL FOUNDATIONS INTRO TO VISUAL DESIGN	4
ART 106 or ART 206 or ILL 200	BEGINNING DRAWING INTERMEDIATE DRAWING ILLUSTRATION FOUNDATIONS	4
ART 113 or ART 115 or ART 117 or ANI 230	THREE DIMENSIONAL FOUNDATIONS BEGINNING SCULPTURE INTRODUCTION TO 3D PRINTING 3D DESIGN & MODELING	4

EXP 210	DESIGN AND FABRICATION FOR PHYSICAL SPACE WORKSHOP	2
GD 200	GRAPHIC DESIGN: FORM	4
UXD 101	DESIGN PRINCIPLES FOR USER EXPERIENCE DESIGN (FORMERLY ISM 101)	4
UXD 210	INTRODUCTION TO USER EXPERIENCE DESIGN (FORMERLY ISM 210)	4

Computer Software and Hardware

Course	Title	Quarter Hours
CSC 241	INTRODUCTION TO COMPUTER SCIENCE I	4
CSC 242	INTRODUCTION TO COMPUTER SCIENCE II	4
EXP 250	HARDWARE DESIGN BASICS WORKSHOP	2
EXP 350	DESIGNING FOR THE INTERNET OF THINGS	4

Business

Course	Title	Quarter Hours
MGT 300 or MKT 301	PRINCIPLES OF MANAGEMENT PRINCIPLES OF MARKETING	4
MGT 370 or MGT 373 or MGT 390 or MKT 352	BUSINESS PLAN DEVELOPMENT CREATIVITY & ENTREPRENEURSHIP INNOVATION & TECHNOLOGY NEW PRODUCT DEVELOPMENT	4

Sustainability

Course	Title	Quarter Hours
ENV 151	INTRODUCTION TO SUSTAINABILITY	4

Major Electives

Any ID, EXP, PHY, ANI, or ART class can be taken for major elective credit.

Senior Capstone Requirement

ID 396 INDUSTRIAL DESIGN SENIOR CAPSTONE