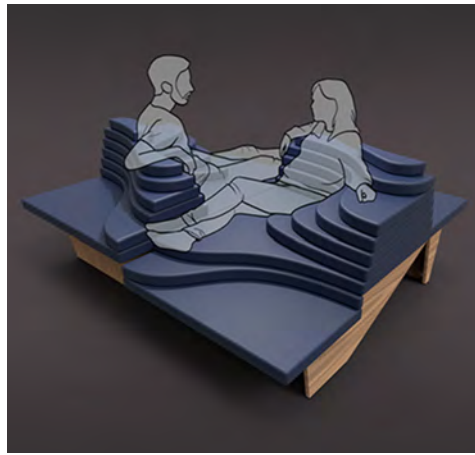


Industrial Design



Industrial Design

Someone designed the bike you ride, the sports equipment you love and the toothbrush you use—all of the products and vehicles you interact with every day. When they are well designed, they make life easier, more enjoyable, or they may even inspire you. Through CIA's Industrial Design major, you can become one of those inspiring designers.

Our program emphasizes product development and the processes, systems and services that support it, while fostering a strong work ethic, empathy and sense of responsibility.

You'll develop the knowledge, skills and qualities that will help you define your career path, whether you are interested in designing high-tech devices, cars, toys, furniture, shoes, or medical instruments. You'll build a strong understanding of the profession, including the innovation process, user research, marketing, ergonomics, manufacturing, sustainability and

business practices. In addition, we teach drawing for ideation and communication, computer aided design, and prototyping.

Our approach is project based, creating real-world scenarios and often involving real clients. Our faculty members are all working designers. You'll have access to labs with cutting-edge, computer technology and prototyping equipment.

Our transportation track leverages auto industry sponsorships to teach industry-specific knowledge and skills.

Your efforts are supported with the resources to help you define a career path and land your dream job. Events like the annual Spring Design Show will help you showcase your abilities and network with professionals from all over the country who are looking to hire interns and fill full-time positions in top design studios.

Successful Alumni

Mandy Stehouwer is a designer and strategist at Gensler, a global architecture, design, and planning consultancy in New York City. She previously worked on visual merchandising for the Origins line at Continuum, a global design consultancy.

Kirk Bennion is exterior design manager for Chevrolet Corvette and Camaro. He was the lead designer of the 2014 Chevrolet Corvette Stingray, and has been involved in designing the last four generations of the Corvette.

Scott Stropkay is co-founder of Boston-based Essential Design, a team of consulting researchers, designers and engineers creating breakthrough physical products, digital products, and service experiences for users and businesses.

Engaged practices in art and design

Through courses, extracurricular projects, and internships, students connect to real-world experiences. These opportunities are where the rubber meets the road—where you will put your classroom knowledge and skills to work in a professional environment. CIA believes these skills are so critical to your success that we ensure every student earns Engaged Practice credits by the time they graduate. To learn more, visit cia.edu/ep.

Careers and Opportunities

- Consumer electronics designer
- Medical instrument designer
- Household product designer
- Automotive designer
- Toy designer
- Furniture designer
- Footwear and apparel designer
- Design researcher
- Design strategist
- Design consultant
- Design director
- Entrepreneur

Learn more

Read more about our faculty, view student work, and watch a video about this major all at cia.edu/industrialdesign.



World-Class Faculty

Associate Professor **Dan Cuffaro** is chair of the Industrial Design Department. An award-winning designer, entrepreneur and educator, he consults in industrial design, design strategy and user experience, and is an expert witness in intellectual property litigation. He is the former director of design at Altitude Inc, an award-winning product development firm. He holds a BFA from the Cleveland Institute of Art and has done PhD work at the Weatherhead School of Management.

Associate Professor **Doug Paige** is the CIA expert in sustainable design practices. In addition to teaching, he consults in the areas of industrial design and biomimicry, with a focus on technical, medical and outdoors equipment. His work includes exploring how nature can inform the design of products and systems. He holds a BFA from the Cleveland Institute of Art and a professional certificate from Biomimicry 3.8.

The Industry

Our students and graduates have interned or worked for design consultancies and manufacturers, such as:

- | | |
|------------------|------------------|
| Chrysler | Essential Design |
| Ford | Astro |
| GM | Altitude |
| Hyundai | Balance |
| Honda | Ziba |
| Nissan | fuseproject |
| MTD | |
| Johnson Controls | |
| Fisher-Price | |
| Hasbro | |
| Nike | |
| Reebok | |
| IDEO | |
| Continuum | |



Why CIA?

Exceptional Faculty

Learn from the people who make a living as artists and designers

Your Career

Achieve your goals for a creative career and join our successful alumni

10:1 Student-Faculty Ratio

Minimize your class sizes and maximize individual time with faculty

Real World Experience

All our students earn credit through internships or courses that connect them with projects outside the classroom

55% of 2018–19 first-year students received a CIA merit scholarship of

\$15,000 or more

BFA

degree

655

students

10:1

student to
faculty ratio

Best
colleges for your
money, 2017–18

— Money
Magazine

Direct Costs

\$43,305
\$11,330
\$54,635

2019–20 Tuition + Fees
Room+Board
Total

Animation
Ceramics
Drawing
Game Design
Glass
Graphic Design
Illustration
Industrial Design
Interior Architecture
Jewelry + Metals
Life Sciences Illustration
Painting
Photography
Printmaking
Sculpture + Expanded Media
Transportation Design*
Video + Digital Cinema*

*Tracks within Industrial Design and
Photography Departments

FAFSA

CIA's school
code is 003928

\$40,709

average financial aid package for
CIA's 2018 incoming class

99%

2018-19 first-year
students received
financial aid

#cleinstituteofart

It is the policy of the Cleveland Institute of Art not to discriminate on the basis of race, color, creed, national or ethnic origin, gender, sexual orientation or gender identification, age, or disabilities, in employment practices, administration of educational policies, admission, scholarship and loan programs, and other college-administered programs and activities.



Cleveland Institute of Art

11610 Euclid Avenue
Cleveland, OH 44106
216.421.7418
cia.edu

Industrial Design (IND)

Major Requirements*		Credits
GDS237	Graphics for Design	3
GDS238	Graphics for Design	3
IND235	Industrial Design	3
IND236	Industrial Design (EP)	3
IND239	Materials & Processes	1.5
IND240	Materials & Processes	1.5
IND280**	Ergonomics (for SNS req)	3
IND285	Communication Skills	3
IND303	ID: 3D Modeling	3
IND304	ID: 3D Modeling	3
IND335	Industrial Design	3
IND375	Marketing & Design	3

Additional Major Requirements*		Credits
IND286	Communication Skills	3
IND336B	Industrial Design (EP)	3
IND336C	Industrial Design (EP)	3
IND403	ID: 3D Modeling	3
IND404	ID: 3D Modeling	3
IND435B	Industrial Design	3
IND435C	Industrial Design	3
IND436	Industrial Design (BFA Statemen/Exhib)	3

Foundation Requirements		Credits
ACD103	Art History I: Ancient-18th C	3
FND103D	Digital Color	1.5
FND103M	Material Color	1.5
FND104	Digital Synthesis	3
FND107	Design I	3
FND107L	Design Woodshop Lab	0
FND108	Design II	3
FND117	Drawing I	3
FND118	Drawing II	3
FND130	Environmental Studio Elective	3
FND140A	Charette: Collaboration & Community	1.5
FND140B	Charette: Self & Other Voices	1.5
LLC101	Writing & Inquiry I: Basic Comp & Contemp Ideas	3
LLC102	Writing & Inquiry II: Research & Intellect Traditions	3

Liberal Arts Distributive Elective Requirements		Credits
These additional elective course requirements need to be completed during your sophomore, junior, or senior year:		
1 (one)	Art/Craft/Design History or Theory (ACD)	3
1 (one)	Non-Western or Cross-Cultural Art/Craft/Design History or Theory (ACD)	3
1 (one)	Advanced Writing Intensive (LLC) (from selected list)	3

Additional Requirements		Credits
These courses need to be completed during your sophomore, junior, or senior year:		
ACD104	Art History II: 18th C-1945	3
ACD203	Art History III: 1945-Present	3
LLC203	Writing & Inquiry III: Narrative Forms	3
PPEL398A/B/C	Professional Practices	3
1 (one)	Post-1960s Art + Design History Elective (from selected list)	3
4 (four)	Open Studio Elective	12

Notes:
 A minimum of 3 credits designated Engaged Practice (EP) is required for graduation, through courses, internships, or independent pathways. EP courses are noted with an (EP) following the title.
 *These courses require a "C" or higher grade

Industrial Design: Transportation Track (INDT)

Major Requirements*

		Credits
GDS237	Graphics for Design	3
GDS238	Graphics for Design	3
IND235	Industrial Design	3
IND236	Industrial Design (EP)	3
IND239	Materials & Processes	1.5
IND240	Materials & Processes	1.5
IND280**	Ergonomics (for SNS req)	3
IND285	Communication Skills	3
IND303	ID: 3D Modeling	3
IND304	ID: 3D Modeling	3
IND335	Industrial Design	3
IND375	Marketing & Design	3

Additional Requirements for Transportation Track*

		Credits
IND251T	Transportation Design 1.2	3
IND288T	Communication Skills: Transportation	3
IND350T	Transportation Design 2.1 (EP)	3
IND351T	Transportation Design 2.2 (EP)	3
IND352T	Automotive Design Language 1.1	3
IND353T	Automotive Design Language 1.2	3
IND450T	Transportation Design 3.1 (EP)	3
IND451T	Transportation Design 3.2: BFA Statement & Exhibition (EP)	3
IND452T	Advanced Automotive Design Language 2.1	3
IND453T	Advanced Automotive Design Language 2.2	3
ANIM454T	3D Modeling for Concept Vehicles 1	3
ANIM455T	3D Modeling for Concept Vehicles 2	3

Foundation Requirements

		Credits
ACD103	Art History I: Ancient-18th C	3
FND103D	Digital Color	1.5
FND103M	Material Color	1.5
FND104	Digital Synthesis	3
FND107	Design I	3
FND107L	Design Woodshop Lab	0
FND108	Design II	3
FND117	Drawing I	3
FND118	Drawing II	3
FND130	Environmental Studio Elective	3
FND140A	Charette: Collaboration & Community	1.5
FND140B	Charette: Self & Other Voices	1.5
LLC101	Writing & Inquiry I: Basic Comp & Contemp Ideas	3
LLC102	Writing & Inquiry II: Research & Intellect Traditions	3

Liberal Arts Distributive Elective Requirements

		Credits
These additional elective course requirements need to be completed during your sophomore, junior, or senior year:		
1 (one)	Art/Craft/Design History or Theory (ACD)	3
1 (one)	Non-Western or Cross-Cultural Art/Craft/Design History or Theory (ACD)	3
1 (one)	Advanced Writing Intensive (LLC) (from selected list)	3

Additional Requirements

		Credits
These courses need to be completed during your sophomore, junior, or senior year:		
ACD104	Art History II: 18th C-1945	3
ACD203	Art History III: 1945-Present	3
LLC203	Writing & Inquiry III: Narrative Forms	3
PEEL398A/B/C	Professional Practices	3
1 (one)	Post-1960s Art + Design History Elective (from selected list)	3
1 (one)	Open Studio Elective May be substituted with IND250 Transportation Design 1.1	3

Notes:

A minimum of 3 credits designated Engaged Practice (EP) is required for graduation, through courses, internships, or independent pathways. EP courses are noted with an (EP) following the title.

*These courses require a "C" or higher grade