INDUSTRIAL DESIGN

570.C0

3 YEARS

www.dawsoncollege.qc.ca/industrial-design

If you would like to:

- ☐ Design the products of the future
- ☐ Imagine sustainable products that reduce waste
- ☐ Create new consumer products, furniture, sports equipment, toys and vehicles
- ☐ Study in a hands-on, project-based learning environment
- ☐ Master 3D design software to create new forms
- ☐ Learn to draw and render your own designs on paper and with a professional drawing tablet
- ☐ Construct design concept models in up-to-date workshops using professional digital drawing tablets, laser cutting, 3D printing and 3D scanning
- ☐ Take your designs from concept through technical development

Then the Industrial Design Program could be for you.

Certification
Ordre des technologues professionnels du Québec

The Industrial Design Program focuses on product design development, sketching and 3D modelling. As a student, you will create your own designs and produce technical drawings followed by the building of actual models of consumer products. The program will encourage you to use your creativity and curiosity to develop new sustainable product designs to meet the needs of consumers. You will develop the skills necessary to work as part of a multidisciplinary team of professionals in an exciting career that evolves constantly.

> **“Industrial Design is about seeing something that you sketched on paper come to life as a real product. It’s an incredible and unique experience!**
>
> — Dylan B.

What will you learn?

- To demonstrate creativity with an industrial design methodology
- To demonstrate curiosity and open-mindedness throughout the design process
- To use critical thinking skills, specifically for the design process
- To construct physical and virtual concept models to develop a product's form and function
- To verify and validate a design concept, its functionality and usage through physical and/or virtual models and simulation
- To present product design concepts using visual presentations and technical documentation in a professional industrial design context
- To play a key role in transforming a concept into a tangible product
- To design innovative and sustainable products

Where will this program lead you?

Graduates of this program pursue careers as Industrial Design Technicians in consulting offices and manufacturing enterprises. They also work as CAD Technicians and Model Makers. Other graduates choose to pursue university studies in Industrial Design, Architecture, Engineering, Computer Modelling and Animation among other disciplines.

What do you need to apply?

- A Diploma of Secondary Studies (DES) or academic background judged equivalent to the DES
- Sec IV Mathematics – Cultural, Social & Technical option 563-414
- Sec IV Science 555-444 OR 557-416
- Portfolio*
- Letter of intent*
- Drawing exercise*

* For the most up-to-date and complete details, visit www.dawsoncollege.qc.ca/industrial-design

What else should you know?

As an Industrial Design student, you are studying in a program recognized by the *Ordre des technologues professionnels du Québec*. You will become accredited by the OTPQ upon application once you graduate.

You will have a student membership in the *Association des designers industriels du Québec*.

Application Deadline

March 1

LIST OF SPECIFIC COURSES

All students must also take General Education courses such as English, French, Humanities and Physical Education, in addition to complementary courses.

YEAR 1	YEAR 2	YEAR 3
Term 1	**Term 3**	**Term 5**
▪ Design Studio I ▪ Materials and Manufacturing I ▪ Presentation Layout I ▪ 3D Computer Modelling I ▪ Product Design Aesthetics ▪ Prototyping I	▪ Design Studio III ▪ Design Studio III Support ▪ Presentation Layout III ▪ 3D Computer Modelling III ▪ Materials, Processes & Sustainable Design ▪ Prototyping III	▪ Design Studio V ▪ Art and Aesthetics in Product Design ▪ Product Usage & Demographics ▪ Product Optimization ▪ Product Costing ▪ 3D Computer Modelling V
Term 2	**Term 4**	**Term 6**
▪ Design Studio II ▪ Materials & Manufacturing II ▪ Presentation Layout II ▪ 3D Computer Modelling II ▪ Manufacturing Fieldtrips ▪ Prototyping II	▪ Design Studio IV ▪ Design Studio IV Support ▪ Presentation Layout IV ▪ 3D Computer Modelling IV ▪ Product Ergonomics ▪ Prototyping IV ▪ Product Design Semantics	▪ Design Studio VI ▪ Professional Portfolio ▪ Presentation Layout V ▪ Prototyping V ▪ Manufacturing Technologies

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