Product Design 570.C0

3 YEARS

Application deadline › March 1



www.dawsoncollege.qc.ca/product-design

If you would like to:

- Design innovative products
- Create new concepts of electronic products, sports equipment, toys, furniture, or vehicles
- Explore in a hands-on, project-based learning environment
- Master 3D design software to shape new ideas
- Learn to sketch and render on paper or using a professional drawing tablet
- Invent sustainable product systems to reduce waste
- Bring your designs to life, from early concept to final presentation, through technical development and functional validation
- Build design prototypes in a state-of-the-art workshop using hand tools and machinery, but also laser cutting, 3D printing and 3D scanning

Then the Product Design Program could be for you.

Certification

Ordre des technologues professionnels du Québec

Designing products is the focus of this program. You will learn to sketch and create your own designs, to model 3D CAD components, and produce technical drawings to support the elaboration of prototypes. The program will stimulate your creativity and trigger your curiosity, while gradually discovering and practicing the proven workflow used by professional product designers when they create new concepts and invent sustainable solutions. In this program, you will develop the skills enabling you to be part of a multidisciplinary team of professionals in an exciting career that evolves constantly.

> Product 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 create, ideate and leverage creativity by using the product design methodology
- To shape new solutions to practical problems with curiosity and open-mindedness
- To develop critical thinking skills, applied throughout the design process to converge towards a valid solution
- To build physical and virtual models to help refine the form and function of a concept
- To test and validate a design concept, its functionality and usage, its aesthetic qualities, and its manufacturability, with a physical mock-up or through 3D visualization
- To present product design concepts using visual presentations and technical documentation in a professional product 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 Product Design Technicians in manufacturing enterprises or specialized product design firms. They also work as CAD Technicians and Model Makers. Some graduates choose to pursue university studies in Industrial/ Product Design, Architecture, Engineering, Computer Modelling and Animation among other disciplines. Others may decide to go the entrepreneurial way, starting their own business and creating their own product line.

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
- Letter of intent*
- Portfolio*
- Participate in a Meet & Greet activity at the College (a drawing exercise and a visit)*

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

What else should you know?

As a Product 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.

The *Association des Designers Industriels du Québec* (ADIQ) also recognize the enrolled Product Design students who can apply for student membership. Later, upon graduation, they can seek full membership at ADIQ.

Dawson COLLEGE
3040 Sherbrooke St. West
Montreal, Quebec H3Z 1A4
dawsoncollege.qc.ca

The information contained in this document was accurate and complete at the time of printing.