

3<sup>rd</sup> year computer model & rendering3<sup>rd</sup> year presentation model3<sup>rd</sup> year computer model & rendering

## DID YOU KNOW?

The Industrial Design program at Dawson College is the only English language program of its kind in Quebec and it is accredited by ADIQ, the Association of Industrial Designers of Quebec.

Upon completion of this program, students can pursue further studies in related fields such as:

**Industrial design, Architecture or Engineering, Computer Modeling and Animation.**

University preparation may require additional courses.

If you want to work in the United States, a degree or five year field experience is required.

If you plan on staying in Quebec, the employment prospects for Industrial Designers will continue to be good until at least the end of this decade, according to the latest Emploi Quebec Job Prospects.

## ADMISSION REQUIREMENTS

- **Diploma of Secondary Studies (DES), including:**
  - » Secondary V Language of Instruction
  - » Secondary V Second Language
  - » Secondary IV Science
  - » Secondary IV Mathematics
  - » Secondary IV History

or academic background judged equivalent to the DES.

Students with a DES missing any of the above subjects may be admitted, space permitting, but may be required to complete remedial courses.

- **Mathematics 564-506 or 565-506\***
- **Science 555-404 or 557-406**

\* For students graduating before June 2010 or from an Adult Education Centre, the pre-requisites are Physics 534 and Mathematics 436.

## APPLICATION DEADLINE

- **March 1 (for Fall semester)**

The program begins in the Fall semester; it does not admit new students in the Winter semester.

## FOR MORE INFORMATION

Please contact (514) 931-8731, ext. 3212

Or visit: [www.dawsoncollege.qc.ca](http://www.dawsoncollege.qc.ca)

## Industrial Design

### ABOUT DAWSON COLLEGE

Dawson College is located in downtown Montreal in a historic building on 12 acres of green space. The first English-language institution in the Quebec CEGEP network is today one of the largest with approximately 10,000 students enrolled in more than 50 programs and profiles of study. The College occupies an entire city block and is linked directly to the Atwater Métro station.

### FEES

Tuition is free for Canadian citizens or landed immigrants with permanent residence in Quebec taking at least four courses per semester. A non-refundable \$30 application fee and about \$200 in student fees are charged. Books and supplies cost between \$500 and \$1,000 per year, although visual arts supplies are more costly. Financial aid is available; contact (514) 931 8731 ext. 1186 for more information. Fees are subject to change without notice.

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## Dawson College Industrial Design



**D** I S C O V E R

### Dawson College

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**D** I S C O V E R

**DAWSON**  
COLLEGE

## YOUR CAREER IN INDUSTRIAL DESIGN

*“The industrial designer is to a product what an architect is to a building”*

### PROGRAM INFORMATION

Industrial Design is a three-year program that trains students to work as industrial designers/technicians or to further studies at university in design. The program concentrates on design development, ideation, sketching, 3D modeling and rendering techniques, presentation and communication skills, ergonomics, aesthetics and technical documentation.

### CAREER OPPORTUNITIES

This three-year learning experience offers you a chance to enter a profession that creates opportunities in a range of career possibilities, which can include any of the following domains of design:

- consumer product design consultancies
- aviation/transportation industries
- toys, sporting goods and equipment
- lighting, exhibition and display
- packaging and manufacturing
- model making and prototyping

### WHAT WILL I BE DOING?

Industrial Designers use imagination, creativity, critical thinking and technical knowledge to design better manufactured products. You will play an important role in the research and development of products. Typically, you will work in a design office as part of a team of designers or in a manufacturing environment.

Industrial Designers develop optimal products with respect to aesthetics, marketability, ergonomics, functionality, production cost, distribution, and impact on society and the environment. Your tasks will include participating in concept and product development by producing: ideation sketches, renderings, models, presentations, 2D and 3D CAD and technical documentation for manufacturing.

## Industrial Design

### Industrial Design Course List

#### Year 1 Term 1

- Design Studio I - Foundation
- Technical Design Studio I
- Graphic Communication Studio I
- 3D Shape and Form Studio
- Technical Development Lab I
- Applied Mathematics for Industrial Design
- History of Art and Aesthetics I

#### Humanities

#### English

#### Year 1 Term 2

- Design Studio II - Foundation
- Technical Design Studio II
- Graphic Communication Studio II
- 3D Visualization Studio - Plastic/Wood
- Manufacturing Materials Lab
- Applied Statics for Industrial Design
- Technical Development Lab II

#### French

#### English

#### Year 2 Term 3

- Design Studio III
- Technical Design Studio III
- Graphic Communication Studio III
- 3D Visualization Studio - Metal
- Human Factors Studio
- 3D Computer Modeling Lab I
- History of Product Design

#### Physical Education

#### English

### Industrial Design Course List continued

#### Year 2 Term 4

- Design Studio IV
- Technical Design Studio IV
- 3D Computer Modeling Lab II
- Prototype Processes and Techniques Lab I

#### Humanities

#### French

#### English

#### Complementary

#### Year 3 Term 5

- Design Studio V
- Product Optimization Studio
- 3D CAD Design Modeling (Surfacing)
- Manufacturing Technologies Seminar
- Product Costing Seminar
- Product Usage and Demographic Studio

#### Physical Education

#### Humanities

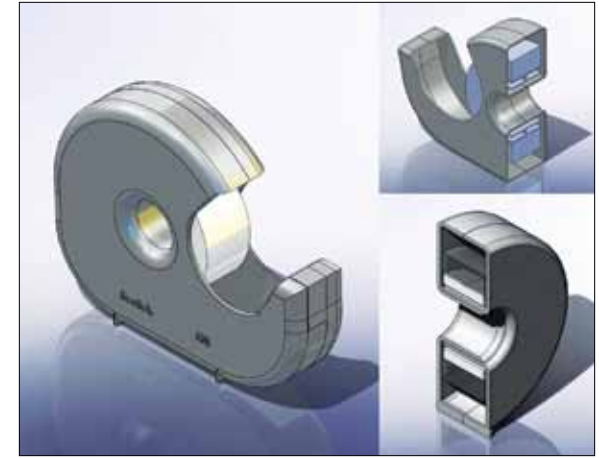
#### Year 3 Term 6

- Design Studio VI
- Computer Rendering Studio
- Professional Service Seminar
- Prototyping Processes and Techniques Lab II

#### Physical Education

#### Complementary

Every student must take four English courses, two French courses, three Humanities courses, three Physical Education courses and two complementary courses to receive a CEGEP Diploma.



1<sup>st</sup> year computer modeling



2<sup>nd</sup> year ideation rendering & computer model



2<sup>nd</sup> year presentation rendering