LaSalle College
Montréal

EVENING | 2 SEMESTERS
405 hours

AEC
NTC.1T

The Technical Clothing Designer AEC program is intended for fashion or clothing design professionals who wish to broaden their knowledge in the area of outdoor apparel and obtain recognized certification.

LaSalle College's exclusive collaboration with Techno-Espace, the technological clothing laboratory that works closely with industry, allows students to become acquainted with specialized equipment used in this constantly changing industry. Students benefit from the expertise of teachers who are currently active in this field. The goal of this AEC training is to train professionals who will design and develop technical clothing products.

With the technical clothing design course, students will learn of the properties of textile materials, the human factors and environmental challenges of technical apparel design.

Training Objective

Upon completing the program, students will have acquired the knowledge and skills required to work in the various sectors of the outdoor technical clothing industry.

Career Prospects

Positions in the areas of research, development, design and production of technical clothing.

Program Length

Includes a total of 405 hours of courses.

Diploma

This program leads to an Attestation of College Studies (AEC).

Admission Criteria

Have previous training or experience deemed sufficient and meet the criteria set for collegial studies.

Technical Apparel

The Technical Clothing Designer program is inspired by sports and outdoor activities. It goes beyond a mere college training: it's a lifestyle that brings together adventure, sports, curiosity, creation and innovation. This program is destined for those who have a passion for sports and who want to learn how to develop clothing adapted to their needs.

2000, Sainte-Catherine Street West
Montréal (Québec)
Canada H3H 2T2

Telephone: (514) 939-2006
1 800 363-3541
lasallecollege.com

LCI EDUCATION NETWORK
MEMBER

LaSalle College
Montréal

Concentration Courses

Semester 1

- Sewing and Technical Processes I (60 h)
- Patternmaking for Technical Clothing I (90 h)
- Conception of Technical Clothing I (45 h)

Semester 2

- Sewing and Technical Processes II (75 h)
- Patternmaking for Technical Clothing II (90 h)
- Technical Clothing II (45 h)

* The College reserves the right to substitute some courses.

As part of this training, you will carry out research and development in laboratory (controlled environment) as well as in the field, and will learn the specialized technical drawing, necessary for this category of clothing design.

You will also study the basic concepts related to:

- Sustainable consumption and the energy-efficient footprint of garment production
- Intelligent clothing technology (smart wear)
- The anatomy and physiology of the human body
- The physics and chemistry of textile materials and technical insulation
- Pneumatic assembly machinery, thermo-welded seam, ultrasonic fusion bonding and thermo-bonding; (learning and application)

From development to manufacturing, you will explore the process of designing technical clothing in its entirety. You will also have the opportunity to interact with influential players in the technical clothing industry who will come to the College to give lectures and to collaborate with the students during the various phases of garment making.

In addition, in order to clearly identify the technical needs of the garments to be designed, you will be led to practice the outdoor sports corresponding to the garments to be developed.

Techno-Espace

The Apparel Technology Laboratory

LaSalle College is the only institution to offer a complete range of development solutions for apparel and other sewn products. It also benefits from an exclusive collaboration with Techno-Espace, the Apparel Technology Laboratory, a pillar of research, innovation and technological development available to LaSalle College's fashion students. From the fusion of ultrasonic and thermal-bonding sewing machines to textile embellishment techniques, a pattern-digitizing system and the development of patterns with a 3D body scanner, students are adequately equipped.

Bring Your Own Device

The use of a laptop computer is mandatory. Standard or student license software must be installed when requested by teachers.

The following features are required for Macs and PCs:

- Processor: Intel I5 minimum compatible with virtualization
- Memory: 4 GB (8 GB recommended, particularly for Illustrator)
- Hard drive: 500 GB minimum
- Screen: 14 inches minimum
- Connectivity: WIFI and LAN
- Ports: Minimum of one USB 3.0 port
- Mouse (may be wireless)

Required software: Creative Cloud Suite and Office Suite (or equivalent for Mac).

Methods of Instruction

On-campus

- At the Montréal campus