



This program trains graduates to work in various branches of the construction industry. This is an exciting field that evolves constantly as it incorporates new technologies and materials.

PROGRAM DESCRIPTION

The program is designed to reflect changes in the construction industry. The faculty consists of professional Architects and Engineers, all experts in various aspects of architecture. We have an active Advisory Board consisting of graduates and professionals who help us develop our curriculum and maintain active links with the industry.

Graduates are trained in computer-aided drawing. Graduates are knowledgeable about the systems and materials that make up a building and how to organize them to produce functional architecture. Graduates become material specialists, developing building details and understanding the technical requirements for construction specifications. Graduates also understand design and presentation, using a variety of techniques for representing types of buildings. The program utilizes a combination of classroom theory and hands-on practice. Projects are based on real building scenarios.

The Stage component allows students to become familiar with industry practice. It often leads to part-time and even full-time employment. Our students graduate with the competencies required by the construction industry.

JOB OPPORTUNITIES

Graduates are in great demand in both the private and the public sector. Fields of employment include

- the professional offices of Architects, Engineers, and Interior Designers
- self employment as Contractors or Drawing Specialists
- in the offices of Contractors, Construction Managers or Property Developers, or on site work in Construction Supervision
- inspection work in Municipal Offices or as Building Inspectors
- working as sales or technical representatives for Construction material companies.

GENERAL REQUIREMENTS FOR ADMISSION TO CEGEP

The Quebec Secondary School Diploma (*Diplôme d'études secondaires*) or equivalent schooling is required. Students must also have passed:

- Secondary V second language
- Physical Science 416
- Secondary V Math or Math 426 or 436.

Adult Education students also require History IV. Applicants with post-secondary education will be evaluated on their overall academic performance.

PROGRAM PREREQUISITES

- Secondary School courses
 - Math 436
 - Physical Science 436 (416 and 430)
- or Cegep course equivalents
 - 201-007-50
 - 982-021-06
- or Adult Education equivalents
 - MTH 4065-4068 or MTH 416 and MTH 4058-4061 or MTH 4101-4111
 - PSC 4010,4011 and 4012

Students missing any of the above prerequisites are advised to call the Admissions Office to discuss their admissibility to the Program.

UNIVERSITY TRACK

In *Architectural Technology* we are training graduates for direct employment. However, some of our graduates continue their studies toward professional degrees in Architecture or Engineering at university. Depending on the University, credit may be given for some *Architectural Technology* courses. Additional courses in science may be required. Students considering university application are advised to consult with an Academic Advisor.

ARCHITECTURAL TECHNOLOGY 221.A0

Pattern of Study

First Semester

Math for Architectural Technology
Computer Applications in Architecture
Architectural Drawing 1
Introduction to Architectural Technology
Design & Presentation 1
Humanities, English, Phys. Education

Second Semester

Mechanics for Architectural Technology
Computer Aided Drawing 1
Architectural Drawing 2
Structural Systems and Materials
History of Architecture
Construction Safety and Site Preparation
English, French

Third Semester

Computer Aided Drawing 2
Project 1
Residential Construction
Design and Presentation 2
Statics and Wood Construction
Building Services (Small buildings)
English, French

Fourth Semester

Project 2
Building Envelope
Steel and Concrete Construction
Mechanical and Electrical Services
Codes and Regulations
Stage
English, Humanities, Complementary

Fifth Semester

Computer Aided Drawing
Project 3
Interior Systems and Circulation
Renovation Techniques
Building Systems Integration
Project Management
Project Manual
Humanities, Physical Education

Sixth Semester

Project 4
Innovative Technologies
Building Survey
Architectural Rendering
Contract Administration & Site Review
Estimation
Complementary, Physical Education

For More Information

contact the program coordinator at
archtech@vaniercollege.qc.ca
or 514.744.7500 x 7235

For Information

concerning admissions contact
admissions@vaniercollege.qc.ca
or the Information Office at
info@vaniercollege.qc.ca
or 514.744.7500



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