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# Architectural Technology

Palmarès Lauréat Winner 2011

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Combines science and the aesthetics of architectural design.

This profession is a dynamic field where successful graduates combine hands-on technical knowledge of buildings and construction techniques with an aesthetic awareness of architectural design.

Job placement for our graduates is exceptional. New buildings are always being constructed and existing structures are constantly being renovated. This creates a need for architectural technologists to work with architects, engineers, designers, general contractors, developers and other industry professionals. Possessing technical skills, knowing how buildings fit together and how the construction industry operates are key elements in this industry.

Students profit from small classes, peer tutoring, state-of-the-art equipment and individual teacher attention. Our teachers are practicing architects and engineers who bring that expertise to the classroom. Upon completion of the program graduates understand the science and materials of construction and know how to combine them with the techniques of design and architecture.

All students in this program participate in a two-week internship where they work in the offices of architects, contractors, construction firms or other related companies to get a realistic view of the profession. These internships often lead directly to job offers.

As part of their studies, students take field trips to architecturally interesting locations in and around Montreal such as innovative buildings, green buildings, construction sites, architectural landmarks, and historical Old Montreal. Past trips outside the country have included trips to Chicago, New Mexico, and New Orleans. Prominent guest speakers keep the program connected to contemporary trends in building design and techniques.

Successful graduates in this program thrive on the challenge of design and construction.

# Program Grid

## SEMESTER 1

Math for Architectural Technology  
 Computer Applications in Architecture  
 Architectural Drawing 1  
 Introduction to  
 Architectural Technology  
 Architectural Design  
 and Presentation 1  
 English  
 Humanities  
 Physical Education

## SEMESTER 2

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

## SEMESTER 3

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

## SEMESTER 4

Project 2  
 Building Envelope  
 Steel and Concrete Construction  
 Mechanical and Electrical Services  
 Codes and Regulations  
 Computer Aided Drawing 3  
 English  
 Humanities  
 Complementary

## SEMESTER 5

Project 3  
 Interior Systems and Circulation  
 Renovations Techniques  
 Building Systems Integration  
 Project Management  
 Project Manual  
 Architectural Rendering  
 Humanities  
 Physical Education

## SEMESTER 6

Internship  
 Project 4  
 Innovative Technologies  
 Building Survey  
 Contract Administration  
 and Site Review  
 Estimation  
 Complementary  
 Physical Education

## What can I do after I graduate with a DEC in Architectural Technology?

Architectural technologists find employment as contractors, project managers, interior designers, building inspectors, building materials sales representatives, specification writers, and related jobs in architects' offices, institutions, corporations or governmental departments involved in the planning and construction of buildings. Many are self-employed and own their own construction or design companies.

Graduates of this program are qualified to become members of L'ordre des technologues professionnels du Québec (OTPQ) that gives them professional recognition and certain advantages.

According to Job Futures Quebec, "Given the anticipated growth in construction and the demand for architectural services, the number of architectural technologists should increase significantly in the next few years. It should be noted, however, that a very large percentage of these graduates, i.e., from 30% to 40%, do not enter the labour market, but prefer to pursue a university education in all types of disciplines, including architecture and civil engineering."

For more details go to: [http://www.servicecanada.gc.ca/eng/qc/job\\_futures/statistics/2251.shtml](http://www.servicecanada.gc.ca/eng/qc/job_futures/statistics/2251.shtml)

### Yes, it is possible to continue on to university studies from this program.

Graduates applying to university should consult with an Academic Advisor to know the prerequisites of the program they wish to apply to.



### Admission Requirements:

Admission to the College is on the basis of the Quebec Secondary School Diploma (*Diplôme d'études secondaires*); or the Quebec Diploma of Vocational Education (*Diplôme d'études professionnelles*) with Secondary 5 first and second languages as well as Secondary 4 Mathematics; or equivalent scholarship completed outside the province.

#### Admission to Architectural Technology requires:

- Math TS/SN 406 or Cegep Math 201-013-50 or adult education MTH 4101-4111 (inclusive)
- Science 555-404 or 557-406 or Cegep Physical Science 982-003-50 or adult education PSC 4010, 4011, 4012

A letter of intent is required.

#### Admissions Information:

[admissions@vaniercollege.qc.ca](mailto:admissions@vaniercollege.qc.ca) or  
 514.744.7100 or 514.744.7881

#### Website:

[www.vaniercollege.qc.ca/architectural-technology](http://www.vaniercollege.qc.ca/architectural-technology)  
 for more information including Course Descriptions  
 and Graduation and Academic standards

#### Coordinator:

[archtech@vaniercollege.qc.ca](mailto:archtech@vaniercollege.qc.ca) or  
 514.744.7500 local 6002  
 for more information about the  
 Architectural Technology program