

# Architectural Technology

**Program Code:** 3125  
3135 (co-op)  
**Program Length:** 2 years/4 semesters (3125)  
2 years/7 semesters (3135)  
**Credential:** Ontario College  
Advanced Diploma  
**Start:** Fall  
**Campus:** Centennial Science and  
Technology Centre  
archtech@centennialcollege.ca

## Program Overview

Qualified graduates with a Bachelor of Architecture degree gain direct admission into the third semester of the three-year Architectural Technology program and receive their technology diploma in four academic semesters.

Using state-of-the-art computer technology, you will prepare designs, construction drawings and specifications needed to communicate with clients, construction professionals and approval authorities. Student activities include preparing drawings for residential, industrial, commercial and institutional building types. Throughout the duration of the program, you will be introduced to building materials, construction methods, structural design, mechanical and electrical services, building codes, contracts, specifications and the business environment for providing design and construction services.

### CO-OP

Academically qualified students enhance their education by working three terms as paid employees in the architectural technology field. This experience puts classroom learning into practice, and provides valuable contacts for future careers.

Centennial's Architectural Technology program places a strong emphasis on protecting the environment, energy conservation and sustainable design and construction strategies.

The Fast-track program is primarily aimed towards foreign trained professionals seeking knowledge of North American construction practice and language.

## BENEFITS

### CAREER OUTLOOK

Graduates of this program are prepared to work with:

- architects
- architectural technology firms
- engineers
- builders
- contractors
- developers
- construction material manufacturers and suppliers
- municipal building departments.

### PROGRAM HIGHLIGHTS

- graduates are eligible to join the Association of Architectural Technologists of Ontario (AATO) and the Ontario Association for Applied Architectural Sciences (OAAAS)

### EDUCATIONAL PARTNERS

Graduates of this program may qualify for advanced educational programs leading to professional careers through the Royal Architectural Institute of Canada Syllabus.

## ADMISSION REQUIREMENTS

Applicants to Fast-track programs must submit an official transcript demonstrating proof of successful completion of a Bachelor degree program in architecture.

### NON-ACADEMIC REQUIREMENTS

- interview, transcript and resumé review may be required
- English and/or math skills assessment may be required

For information on the admission process, please see p. 14.

### CO-OP REQUIREMENTS

- minimum C grade in COMM-170/171, minimum 2.5 GPA, and minimum 80 per cent of year 1 courses required for COOP-221.
- departmental academic standards for co-op eligibility also apply

### SEMESTER REQUIREMENTS

- minimum 2.0 GPA required for entry into semester 5
- students who have completed all course requirements in semesters 3 & 4 will have all the prerequisite requirements for courses in semester 5 and 6.

## PROGRAM OUTLINE

### Semester 3

ACHS-204	Construction Health & Safety*
ARBC-205	Builders and Contractors*
ARCH-201	Design and Computer Aided Drafting Project 3*
MATM-202	Materials and Methods 3*
ENVR-203	Environment 3*
COMM-160/161*	College Communications 1* (3125)
COMM-170/171*	College Communications 2* (3135)
GNE-158	History of Western Architecture*

### Semester 4

ARBS-222	Building Services 1*
ARCH-221	Design and Computer Aided Drafting Project 4*
ARGR-224	Architectural Graphics*
ARST-305	Structures*
ENVR-223	Environment 4 *
GNE-500	Global Citizenship: From Social Analysis to Social Action
COOP-221	Employment Pre-placement (3135)

### Co-op Work Term 1 (3135)

### Co-op Work Term 2 (3135)

### Semester 5

ARBS-302	Building Services 2
ARBW-307	Business Writing
ARCH-301	Design and CAD Complex Project
ARPM-225	Project Management
ARPT-304	Advanced Presentation Techniques
ARST-306	Advanced Structures
ENVR-303	Environment 5

### Co-op Work Term 3 (3135)

### Semester 6

ARBL-324	Building within the Municipality
ARCH-321	Design and CAD Multi-Use Project
ARCL-322	Contracts, Law and Professional Practice & Ethics
ARPE-326	Building Code-Sustainable Qualification Preparation
ARSW-325	Specification Writing & Contracts
ENVR-323	Environment 6

*\*minimum C-grade required for Technologist.*

## ACCREDITATION PENDING

## At A Glance

Companies that have hired graduates include:

- Cassidy & Company, Architectural Technologists
- Hunt Design Associates Inc.
- Viljoen Architect Inc.
- Romanov Romanov, Architects
- LaPointe, Architects