

Architectural Technician

Program Code: 3101

Program Length: 2 years/4 semesters

Credential: Ontario College Diploma

Start: Fall, Winter

Campus: Centennial Science and
Technology Centre

archtech@centennialcollege.ca

Program Overview

The Architectural Technician program prepares you for a career in the construction industry, working with architects, engineers, builders, contractors and municipal building departments. 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. You will also 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. Centennial's Architectural Technician program places a strong emphasis on protecting the environment, energy conservation, and sustainable design and construction strategies.

BENEFITS

CAREER OUTLOOK

Graduates 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)
- transfer credits/advanced standing may be awarded for previous science or engineering education

EDUCATIONAL PARTNERS

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

RECOGNITION AS A CERTIFIED ENGINEERING TECHNICIAN/TECHNOLOGIST

OACETT (The Ontario Association of Certified Engineering Technicians and Technologists) recognizes the Architectural Technician program as meeting all the academic requirements for certification in the Technician category



ADMISSION REQUIREMENTS

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum: Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to program.

ACADEMIC REQUIREMENTS

- compulsory English 12C or U, or skills assessment or equivalent
- math 11M or U or 12C or U, or skills assessment or equivalent

PROGRAM OUTLINE

Semester 1

ARCH-101	Design and Computer Aided Drafting Project 1
ENVR-101	Environment 1
MATM-101	Materials and Methods 1
MATH-154	Microcomp. Applic. for Tech. A
MATH-111*	Mathematics for Architecture 1
COMM-170/171*	College Communications 2
GNEED	General Education Elective

Semester 2

ARAP-124	Applied Physics
ARCH-121	Design and Computer Aided Drafting Project 2
ENVR-123	Environment 2
MATM-122	Materials and Methods 2
MATH-112	Mathematics for Architecture 2
GNEED-500	Global Citizenship: From Social Analysis to Social Action

Semester 3

ACHS-204	Construction Health & Safety
ARBC-205	Builders and Contractors
ARCH-201	Design and Computer Aided Drafting Project 3
ENVR-203	Environment 3
MATM-202	Materials and Methods 3
GNEED-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
GNEED	General Education Elective

Note: Students will be placed in the appropriate English level based on skills assessment results.

**MATH-111 & COMM-170/171 must be successfully completed before the start of semester 3.*

At A Glance

Companies hiring graduates include:

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

