Skilled drafters interpret the ideas of engineers and present them in the language of manufacturing and construction. In the past, drafters primarily produced working and schematic drawings using a variety of drafting machines, rules, T-squares, curves, triangles, and other drawing tools. Today, individuals in this role produce these drawings using a computer-assisted drawing system known as CAD.

This program prepares students to become skilled drafters that interpret the ideas of engineers and present them in the language of manufacturing and construction. This course offers three different areas of study to choose from; Track A – Visualization & Animation in Engineering Design, Track B – Manufacturing & Mechanical Engineering Drafting & Design, Track C – Architectural / Engineering/ Construction Building Design.

Program length: 16 months (includes 16 week internship)

ADMISSION REQUIREMENTS

- Quebec issued high school diploma or equivalent
- Minimum of two consecutive terms
  OR
  One school year interruption from full-time studies
  OR
  Minimum of one year post-secondary education
- Pass a general admissions entrance test
- Meet any additional program specific entrance requirements

Cody V.
Herzing Student
COMPUTER-AIDED DESIGN AND DRAFTING

COURSE LIST

- AutoCAD for Windows
- Computer-Aided Drafting I
- 3D CAD
- Introduction to 3D VIZ
- 3D Studio Max for Engineering Design
- Parametric Modeling
- Computer-Aided Drafting
- Elements of Mechanical Design
- 3-Dimensional Modeling
- Introduction to AutoCAD and 2D Working Drawings for AEC
- Drafting Techniques
- Architectural and Civil Drafting
- Architectural and Civil Drafting II
- Commercial Construction Drafting & Design
- Commercial Building Materials
- Introduction to AutoCAD and 2D Working Drawings for MCAD
- Internship

CAREER OUTLOOK

The Computer-Aided Design and Drafting program prepares students to immediately enter the industry as a drafter or CAD operator, and find employment as a Mechanical or Industrial Engineering Technologist or a Technologist in Drafting.

EMPLOYMENT STATISTICS

83%

Percent of available 2015 graduates employed in a related field*

SAMPLE AVERAGE SALARY*

$30,160 - $34,320

EXAMPLES OF POSSIBLE JOB TITLES

Mechanical Engineering Technologist, Industrial Engineering Technologist, Technologist in Drafting, Draftsperson, CAD Technician

EXAMPLES OF EMPLOYERS

Axis Lighting, Lumenpulse, Enerquin, Orbinox, CDS Machines

*Employment statistics based on most recent available. Starting salaries represent an average starting wage based on a limited sample size from the most recent graduate reporting period. This is meant to serve as an example of past results, but is not a predictor of future results. Information and data on this document is subject to change.