

INDUSTRIAL DRAFTING

PROGRAM OVERVIEW

Industrial Drafting (5725)

Student 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 develops the skills necessary to determine the information to include on drawings. Areas of study include taking and interpreting measurements, manufacturing, interpreting technical information related to materials and the manufacturing process, illustrating the arrangement of components and power train systems, interpreting and creating drawings and sketches, specialized functions of a computer-aided drafting program.

Program length: 14 months (35 hours/week, M-F) includes 3 week internship

COURSE LIST

The Trade and Training Process
 Solving Problems Related to Industrial Drafting
 Interpreting Technical Drawings
 Producing Sketches
 Working at a Computerized Workstation
 Detail Drawings of Mechanical Components
 Illustrating Fasteners
 Illustrating the Arrangement of Components
 Materials and Manufacturing Processes
 Assembly Drawings
 Specialized Functions of a Computer Aided Drafting Program
 Taking and Interpreting Measurements
 Dimensional Tolerances
 Correcting a Drawing
 Illustrating Power Train Systems
 Development Drawings
 Three-Dimensional Drawings of an Object
 Detail Drawings of a Mechanism
 Piping and Circuit Diagrams
 Job Search and Entrepreneurial Techniques
 Producing Drawings for Mechanical System
 Drawing the Housing of a Machine
 Adapting to the New Types of Work Organization
 Designing a Simple Technical Object
 Entering the Workforce

CAREER

This program prepares students to work as drafting technologists and technicians in support of engineers, architects or industrial designers. Employment opportunities are available with consulting and construction companies, utility, resource and manufacturing companies, and all levels of government.

Examples of possible job titles include: Drafting Technologist, Draftsperson, Computer-Assisted Drafting (CAD) Technician,

Sample starting salary range: \$27,040- \$31,200

*Statistics based on most recent available.

- See more at: <http://www.herzing.ca/montreal/training/industrial-drafting-careers/#sthash.K1VNBvoc.dpuf>