
DRAFTSPERSON-PLASTIC MOULD DESIGN
(A.C.A., non-restricted certified trade)

WORK DESCRIPTION

What would I be doing?

Draftspersons develop and prepare accurate and detailed engineering drawings from preliminary concepts, sketches, calculations, specifications sheets and other data. These technical drawings describe size, shape, function of objects and their structure.

Draftspersons:

- use computers and computer-aided (CAD) design and graphics drafting stations
- make drawings for:
 - complex templates and patterns
 - plastic moulds
 - tooling for mould-making
 - tooling for mould modification
- use their eyes and hands as well as minds
- work with other people as a team
- display patience

The work is done in an office setting. Most Draftspersons work at a computer terminal. Eye strain, wrist and hand problems and back discomfort are common complaints. Must be well organized and neat. Some Draftspersons are paid salaries and others work for wages.

PLACE OF WORK

Who needs Draftspersons?

- architectural and engineering firms
- manufacturers
- surveying and mapping companies
- municipal and provincial and federal governments

CONDITIONS OF WORK

A Draftsperson is a non-restricted certified trade. A person may or may not have a valid Certificate of Qualification to work in the trade. Apprenticeship is recommended. An apprentice **may** be paid wages.

SALARIES/WAGES

The salary depends on the employer, years of experience, and level of training. In unionized places the wages and conditions of work are negotiated collectively.

In the Elgin, Middlesex and Oxford area, Draftspersons can earn \$ 12.18 - \$ 20.07 per hour, averaging \$ 15.83 per hour.

(Over)

PROSPECTS of EMPLOYMENT in the Elgin, Middlesex and Oxford area

RATING: good

Individuals with a strong technical background and experience with CAD will have the best employment opportunities.

APPRENTICESHIP IN THE DRAFTSPERSON TRADE

- takes about 4 years or about 8 000 h, including 600 h of post secondary in-school training, prior education and experience may shorten the time to complete all the competencies
- A Certificate of Apprenticeship is issued upon completion of apprenticeship
- must pass the Provincial Qualifying exam to receive a Certificate of Qualification with journeyman status
- Interprovincial Trade Certification (Red Seal) is not available in this trade.

In-School Education:

An OYAP student must be 16 years old and completed Grade 10 (or equivalent). Otherwise, all apprenticeship applicants must successfully complete Grade 12 (OSSD) or equivalent. The following competencies are valuable:

| | |
|------------------------------|-------------------------------|
| English | <i>Communication and</i> |
| Mathematics | <i>mechanical skills,</i> |
| Sciences | <i>problem-solving skills</i> |
| Design Technology (Drafting) | |

Manufacturing Technology (Mechanics).

OYAP students must be full-time students in high school and those who obtain apprenticeships will complete the apprenticeship curriculum in college or an approved Training Delivery Agent.

Specific skills learned in school are:

safety, tools and equipment, measuring devices, trade calculations, trade communication, computer technology, graphics, design, physics, CAD, machines, architecture.

On the Job Training

- As a high school Cooperative Education credit (towards O.S.S.D.), learning is connected to one of the school subjects.
- The Apprentices must follow a program in the **Apprenticeship Training Standards** book that is given to them in the workplace when they register. As each competency is achieved the employer signs it off.

OPPORTUNITY TO GROW

A Certificate as a journeyman is not required to start working as a Draftsperson. A registration as an apprentice and becoming a journeyman are the first steps in growth. A journeyman may:

- become a foreperson or a supervisor
- start own small business
- work in related areas or occupations

RELATED OCCUPATIONS

- Industrial Graphics Designer
- Architectural Technologist
- Civil Engineering

CONTACT INFORMATION

Whom should I call?

School Guidance/Co-Op Office

Apprenticeship Office 519 675 7788

London: 1 800 265 1050

Apprenticeship web: www.edu.gov.on.ca

EMOLTB web site: www.localboard.on.ca

Training Hotline: 1 800 387 5656

Union: