

# SKILLED TRADES

Positions in the Forest Products Industry



## DRAFTING TECHNICIAN

*drafting technician, manager, draftsperson, cad (computer-aided design) specialist - drafting, drafter, draftspersons supervisor, engineering design and drafting technologist, heating and ventilation systems draftsperson, mechanical draftsperson, technologist, computer-aided design (cad)*

Drafting technologists and technicians prepare engineering designs, drawings and related technical information, in multidisciplinary engineering teams or in support of engineers, architects or industrial designers, or they may work independently. They are employed by consulting and construction companies, utility, resource and manufacturing companies, all levels of government and by a wide range of other establishments.

### KEY RESPONSIBILITIES



This group perform some or all of the following duties:

- Develop and prepare engineering designs and drawings from preliminary concepts, sketches, engineering calculations, specification sheets and other data
- Operate computer-assisted design (CAD) and drafting workstations
- Develop and prepare design sketches
- Complete documentation packages and produce drawing sets
- Check and verify design drawings to conform to specifications and design data
- Write technical reports
- Prepare contracts and tender documents
- Prepare construction specifications, costs and material estimates
- Supervise and train other technologists, technicians and drafters.
- Develop and prepare engineering drawings, plans, diagrams or layouts from sketches
- Operate computer-assisted drafting equipment or a conventional drafting station.

### EDUCATION AND TRAINING



Completion of secondary school is usually required. Completion of a two- to three-year college program in engineering design and drafting technology or in a related field is usually required for drafting and design technologists. Completion of a one- to two-year college program in drafting or completion of a three- to four-year apprenticeship program or four to five years of related experience plus completion of college or industry courses in drafting are usually required for drafting technicians. Trade certification for draftspersons is available, but voluntary in Ontario. Certification in engineering design and drafting technology or in a related field through provincial associations of engineering/applied science technologists and technicians may be required by employers. A period of supervised work experience, usually two years, is required before certification.

Here is a complete list of Canadian Universities and Colleges:  
[thegreenestworkforce.ca/education](http://thegreenestworkforce.ca/education)

#### Notice

The requirements listed are generally required qualifications for this Career Type. The qualifications may vary based on the employer and/or the geographic location of that job.

### THIS JOB IS RIGHT FOR YOU IF:



- You want to live an oversized life in one of Canada's beautiful forest communities
- A sense of community is important to you
- You like variety and learning new things
- You want to make a difference working in a green job
- You like the outdoors
- You are a team player
- You like machines
- You like getting to the root cause of breakdowns

### DARE TO COMPARE

See how much time and money you would save by moving to a forest community.

[thegreenestworkforce.ca/compare](http://thegreenestworkforce.ca/compare)

**If you want good pay, opportunities to learn on the job, a great lifestyle and the chance to work in Canada's Greenest Workforce, then the forest products industry is right for you.**

FIND OUT MORE AT [THEGREENESTWORKFORCE.CA](http://THEGREENESTWORKFORCE.CA)



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