

## CAREER PROFILES

### Drafting Technologists and Technicians:

**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 use software to convert the designs of architects and engineers into technical drawings.

### Wage/Salary Information:

\$48,000 is the median annual salary found in local job-postings.

\$23.54/hour is the median wage reported locally.

### Commonly Listed Skills in Job Postings:

- AutoCAD
- Microsoft Office
- Detail oriented
- Oral and written communication
- Teamwork
- Blueprinting
- Work independently
- Management
- Time management
- Organizational skills
- Self-motivated
- Marketing
- Creativity
- Bilingual
- Problem solving
- Computer use
- Critical thinking
- Analytical skills
- Troubleshooting

### Job Duties:

Drafting Technologists develop and prepare engineering designs and drawings from preliminary concepts, sketches, engineering calculations, specification sheets, and other data. Drafting Technologists operate computer-assisted design (CAD) and drafting workstations and develop and prepare design sketches. They complete documentation packages and produce drawing sets and check and verify design drawings to conform to specifications and design

data. Drafting Technologists also write technical reports, prepare contracts and tender documents, prepare construction specifications, costs and material estimates, and supervise and train other technologists, technicians, and drafters.

Drafting Technicians develop and prepare engineering drawings, plans, diagrams, or layouts from sketches and operate computer-assisted drafting equipment or a conventional drafting station.

### Working Conditions:

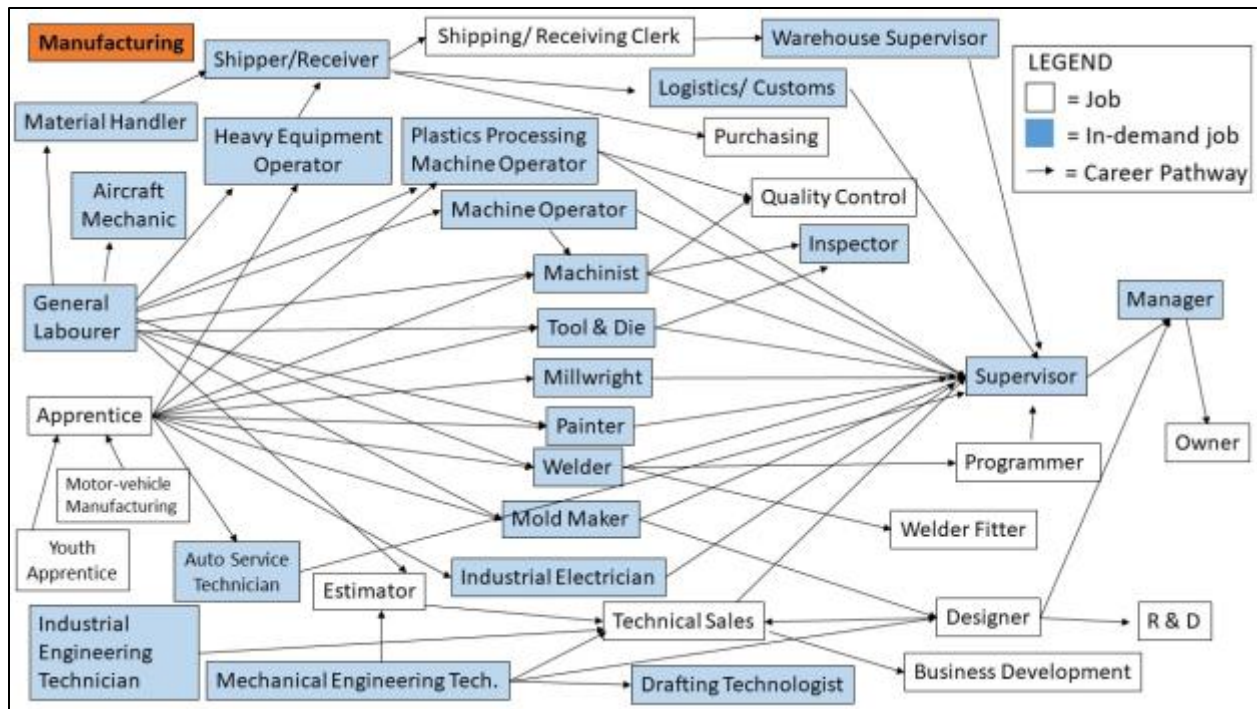
Work in this occupation is typically performed in a structured environment, such as office.

### Career Pathways:

Mobility is available for Drafting Technologists and Technicians. It is possible to move to civil, mechanical, electrical, or other engineering design technologies through educational or work specialization. Senior and supervisory Drafting and Design Technology Workers require experience to be advanced to these positions.

Drafting Technologists and Technicians are employed by consulting and construction companies, utility, resource and manufacturing companies, all levels of government, and by a wide range of other establishments. Below are potential career pathways for Drafting Technologists and Technicians:

- Architectural Draftsperson
- Computer-Assisted Design and Drafting Technologist
- Design and Drafting Technologist
- Drafting Technician
- Drafting Technologist
- Electrical Draftsperson
- Engineering Design and Drafting Technologist
- Mechanical Draftsperson
- Steel Detailer – Drafting
- Structural Draftsperson
- Structural Steel Drafter-Detailer
- Supervisor, Drafting Office



### Education and Training Pathways:

If you're interested in becoming a Drafting Technician or Technologist, you can acquire training/education locally at any of the following institutions.

#### St. Clair College:

#### **Civil Engineering Technology**

**Admission/Eligibility Requirements:** OSSD with the majority of courses at the College ©, University (U), University/College (M), or Open (O) level plus: Grade 12 Math © or (U)

**Academic Credential:** Three Year - Ontario College Advanced Diploma

**Professional Certification:** Unknown

**Attendance:** In-person

**Full-time or Part-time:** Full-time

**Program Length:** 3 years

**Program Cycle:** Unknown

**Program Cost:**

- Year 1: \$4,186.61
- Year 2: \$3,781.05

- Year 3: \$3,804.05
- Total: \$11,771.71 (2017/18)

**OSAP Eligible:** Yes

**Location:** 2000 Talbot Road West, Windsor, N9A 6S4

For more information on this program, please visit:

<http://www.stclaircollege.ca/programs/postsec/civil/>

## **Mechanical Technician – CAD/CAM – Fast Track**

### **Admission/Eligibility Requirements:**

- OSSD with the majority of courses at the College ©, University (U), University/College (M), or Open (O) level
- Grade 12 Math © or (U)

**Academic Credential:** Two Year - Ontario College Diploma

**Professional Certification:** Unknown

**Attendance:** In-person

**Full-time or Part-time:** Full-time

**Program Length:** 2-year diploma delivered in less than 1 year

**Program Cycle:** 3 semesters

**Program Cost:** Total: \$7,134.95 (2017/18)

**OSAP Eligible:** Yes

**Location:** 2000 Talbot Road West, Windsor, N9A 6S4

For more information on this program, please visit:

[http://www.stclaircollege.ca/programs/postsec/mech\\_cadcam/](http://www.stclaircollege.ca/programs/postsec/mech_cadcam/)

### University of Windsor:

## **Engineering Technology**

### **Admission Requirements:**

- A three-year Canadian college technology diploma holder (or an equivalent overseas institution)  
or  
An engineering degree from an accredited Canadian university (and an equivalent overseas institution)

or

A four-year university degree in a scientific or technical subject from a Canadian University (or an equivalent overseas institution)

- (a 70% average on one of these requirements is usually expected)

**Academic Credential:** Degree - Bachelor of Engineering Technology

**Professional Certification:** 1 year upgrade program for college students

**Attendance:** In-person

**Full-time or Part-time:** Full-time

**Program Length:** 1 year

**Program Cycle:** Intake for Fall, Winter, Summer

**Program Cost:** Unknown

**OSAP Eligible:** Yes

**Location:** 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

<http://www.uwindsor.ca/engineering/483/bachelor-engineering-technology>

[Windsor Career College:](#)

**Engineering Design & Drafting Technologist**

**Admission/Eligibility Requirements:** Unknown

**Academic Credential:** Diploma

**Professional Certification:** Unknown

**Attendance:** In-Person

**Full-time or Part-time:** Full-time

**Program Length:** 28 weeks

**Program Cycle:** Unknown

**Program Cost:** Unknown

**OSAP Eligible:** Unknown

**Location:** 235 Eugenie Street West, Windsor, N8X 2X7

For more information on this program, please visit:

<http://www.windsorcareercollege.ca/engineering.html>

**Disclaimer:** *The educational institution reserves the right to change information without notice, and may result in discrepancies between their information and the information presented above. If any errors are found, please report them to [info@workforcewindsoressex.com](mailto:info@workforcewindsoressex.com).*