

# Drafting Technician and Technologist

### Median Yearly Income (2010): \$46, 470

Drafting technicians and technologists prepare engineering designs, drawings and related technical information, in multidisciplinary engineering teams or in support of engineers, architects or industrial designers.

### WHAT YOU DO

**Drafting technicians** develop and prepare engineering drawings, plans, diagrams, and layouts from sketches.

**Drafting technologists** operate computer-aided design (CAD) and drafting stations, develop and prepare design sketches, and write technical reports.

### In the oceans technology sector,

drafting technologist and technicians play a critical role, especially throughout the designing, building and repairing stages for ships and other marine vessels such as submarines.

### WHAT YOU NEED

- Be talented in drawing and sketching;
- Have the skills to implement a creative and systematic approach to projects;
- Accurate, precise, and efficient;
- Able to work under pressure and meet deadlines is also necessary; and
- Excellent computer skills.



## Drafting technicians and technologists 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;
- Check and verify design drawings to conform to specifications and design data;
- Write technical reports; and
- Prepare contracts and tender documents.







### **Drafting Technician** and Technologist



### **CAREER PATHWAY**

#### **OVERVIEW**

- ❖ Work Type: Full-time
- **❖** Area Most Likely to Work: Halifax
- ❖ Most Employees Have: Nonuniversity certificate/diploma
- ❖ Certification: The Architectural Engineering Technician program is accredited with the Canadian **Technology Accreditation** Board (CTBA)
- ❖ Work Prospects: \*Fair

Opportunities available for Co-op **Options and Opportunities** high school students to gain **Science Streams** hands-on and/or practical Oceans 11 experience that could help them connect in this career. Grade 12 diploma or equivalent **Not For Profits** Techsploration (techsploration.ca/) **Post-Secondary** Skills Canada (skillscanada.com) **Educational Programs Non-university** certificate/diploma 2 years: Tuition fees 2 years: Tuition fees approx. \$3, 130/year approx. \$3, 130/year **Nova Scotia Community** College: Architectural **Nova Scotia Community** Engineering Technician College: Drafting - Architectural This program is accredited with the Canadian Technology Accreditation Board (CTAB), a standing committee of The Canadian Council of Technicians and Technologists (CCTT). Graduates may be eligible for membership with TechNova. **NSCC: Oceans Technology Program** Advanced one year diploma for students with a Bachelor of Science or Engineering or an

Engineering Diploma to further enhance skills in the

oceans technology sector.

### **Examples of Nova Scotia companies** and organizations that offer this career

- ➤Fleetway Inc.
- ➤ Grantec Engineering Consultants
- >JD Irving Shipbuilding
- Lengkeek Vessel Engineering

#### References and Resource Links

- ▶\*The employment outlook over the next few years for this occupational group is "fair", which indicates the chances of a qualified individual finding work is around average
- Careers Nova Scotia (http://careers.novascotia.ca/)
- Create your career plan (careeringear.nscc.ca)
- Nova Scotia Apprenticeship Agency (www.nsapprenticeship.ca); TechNova (http://www.technova.ca/)
- >2253 national occupation classification

(http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/ProfileQuickSearch.aspx?val=2&val1=2253&val65=drafting)