



Mechanical Engineering Technicians and Technologists

Median Yearly Income (2010): \$60, 835

Mechanical engineering technologists and technicians provide technical support and services or may work independently in mechanical engineering fields such as the design, development, maintenance and testing of machines, manufacturing plants and equipment.

WHAT YOU DO

In the oceans technology sector, mechanical engineering technicians and technologists play a key role in assisting engineers in designing and developing innovative machinery and robotics for applications such as oceanography, meteorology, defence, search and rescue, fishing, marine transportation and offshore energy exploration and development.



Mechanical engineering technicians and technologists perform some or all of the following duties:

- ❖ Enjoy technical work and mathematics, and have an interest in science;
 - ❖ Possess a high degree of manual dexterity and mechanical ability;
 - ❖ Able to be precise, analytical, and work alone or as part of a team;
 - ❖ Good oral and written communication skills are important;
 - ❖ Familiarity with computers is also required; and
 - ❖ Physical stamina may be required for field work.
- ❖ Prepare and interpret conventional and computer-assisted design (CAD) engineering designs, drawings, and specifications for machines and components;
 - ❖ Prepare cost and material estimates, project schedules and reports;
 - ❖ Conduct tests and analyses of machines, components and materials to determine their performance, strength, response to stress and other characteristics; and
 - ❖ Design moulds, tools, dies, jigs and fixtures for use in manufacturing processes.

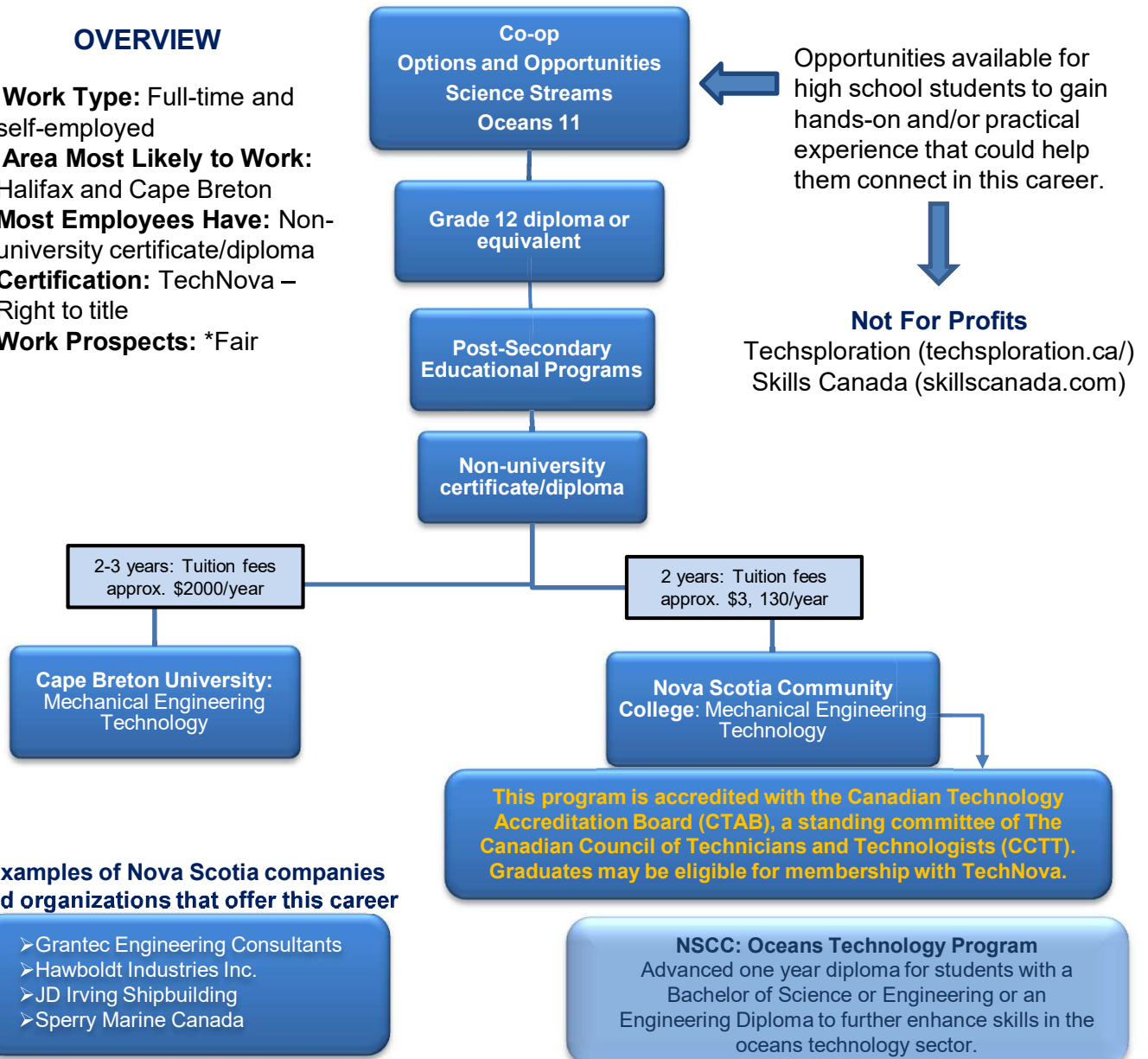
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CAREER PATHWAY

OVERVIEW

- ❖ **Work Type:** Full-time and self-employed
- ❖ **Area Most Likely to Work:** Halifax and Cape Breton
- ❖ **Most Employees Have:** Non-university certificate/diploma
- ❖ **Certification:** TechNova – Right to title
- ❖ **Work Prospects:** *Fair



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.nsc.ca)
- TechNova (<http://www.technova.ca/>)
- 2232 national occupation classification (<http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/QuickSearch.aspx?val65=2232>)