



Naval Architect

Median Yearly Income (2010): \$60, 116

This unit group is for biomedical, marine, and other engineers: This class of engineers design and develop marine vessels and floating structures and associated marine power plants, propulsion systems and related systems and equipment.

WHAT YOU DO

Naval architecture is an engineering discipline that deals with the science and design in shipbuilding.

In the oceans technology sector, naval architects conduct basic and applied research, design, develop, and evaluate construction during all stages of the life of a marine vessel. This includes everything from ship structural analysis and design to determining which materials to use within a particular ship, and overseeing the building, maintenance and repair of marine vessels and systems.

WHAT YOU NEED

- ❖ An eye for detail and an aptitude for design;
- ❖ Able to think analytically and logically;
- ❖ Able to work with high amounts of focus and patience;
- ❖ Persistence and good judgement;
- ❖ Able to visualize three-dimensional objects from two-dimensional drawings;
- ❖ Able to communicate and cooperate with others, as architects usually work in teams; and
- ❖ Excellent written and verbal communication skills.



Naval architects perform some or all of the following duties:

- ❖ Design and develop ships, barges, tugs, dredges, submarines, floats, and buoys;
- ❖ Design the associated marine power plants and propulsion systems; and
- ❖ Oversee the building, maintenance, and repair of vessels and marine systems.

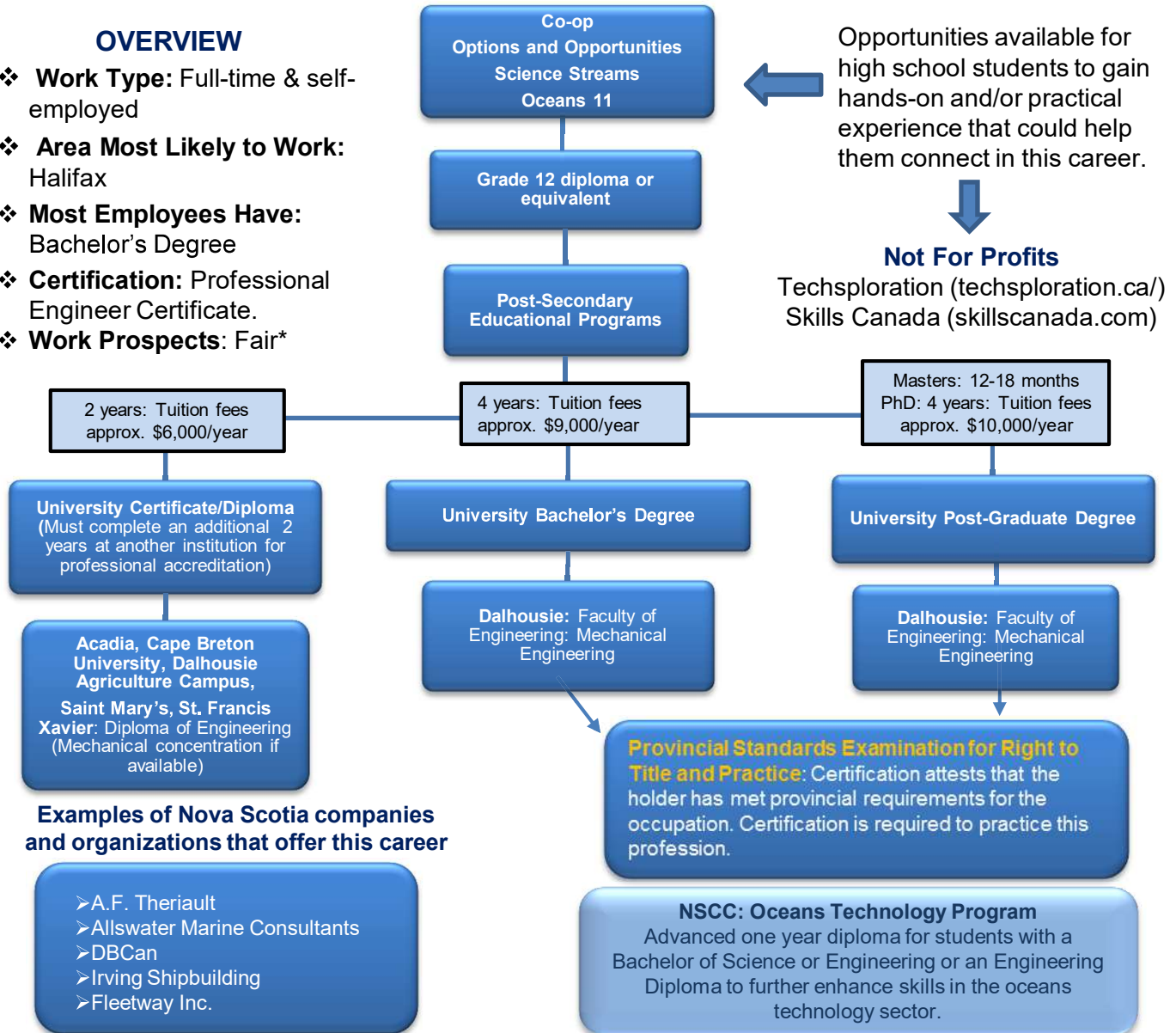
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CAREER PATHWAY

OVERVIEW

- ❖ **Work Type:** Full-time & self-employed
- ❖ **Area Most Likely to Work:** Halifax
- ❖ **Most Employees Have:** Bachelor's Degree
- ❖ **Certification:** Professional Engineer Certificate.
- ❖ **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
- > Canadian Society for Mechanical Engineering (<http://www.csme-scgm.ca/>)
- > Careers Nova Scotia (<http://careers.novascotia.ca/>)
- > Create your career plan: careeringear.nssc.ca
- > Engineers Nova Scotia (<http://www.engineersnovascotia.ca>)
- > 2148 national occupation classification
<http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/ProfileQuickSearch.aspx?val=2&val1=2148&val65=naval+architect>