



Marine Geomatics Specialist

Median Hourly Income (2010): \$24.00/hr

This unit group is for all technical occupations in geomatics: Occupations in geomatics include a vast variety of technologists and technicians, who gather, analyze, interpret and use geospatial information for applications in natural resources, geology, and environmental research.

WHAT YOU DO

Marine geomatics specialists conduct marine geophysical surveys including precise positioning, hydrographic surveying, seafloor imaging, sub-bottom profiling, geotechnical analysis and comprehensive reporting and mapping.

In the oceans technology sector, marine geomatics specialists provide a wide variety of skills such as assisting oil and gas companies determine where and how to safely establish drilling rigs, providing data to establish international maritime boundaries, or mapping the path for a submarine power or communications cable.



WHAT YOU NEED

- ❖ Enjoy being at sea;
 - ❖ Posses a neat and systematic approach to projects;
 - ❖ You must be accurate, precise, and efficient;
 - ❖ Computer skills are critically essential; and
 - ❖ Physical stamina may be necessary for those doing fieldwork at sea.
- Marine geomatics specialists perform some or all of the following duties:*
- ❖ Plan map content - format, design and compile required data from seafloor imaging, survey notes, records, reports and other maps;
 - ❖ Generate maps and related graphs and charts using digital mapping techniques; and
 - ❖ Operate specialized computer hardware and software and peripheral equipment to model, manage, analyze and display geospatial data.

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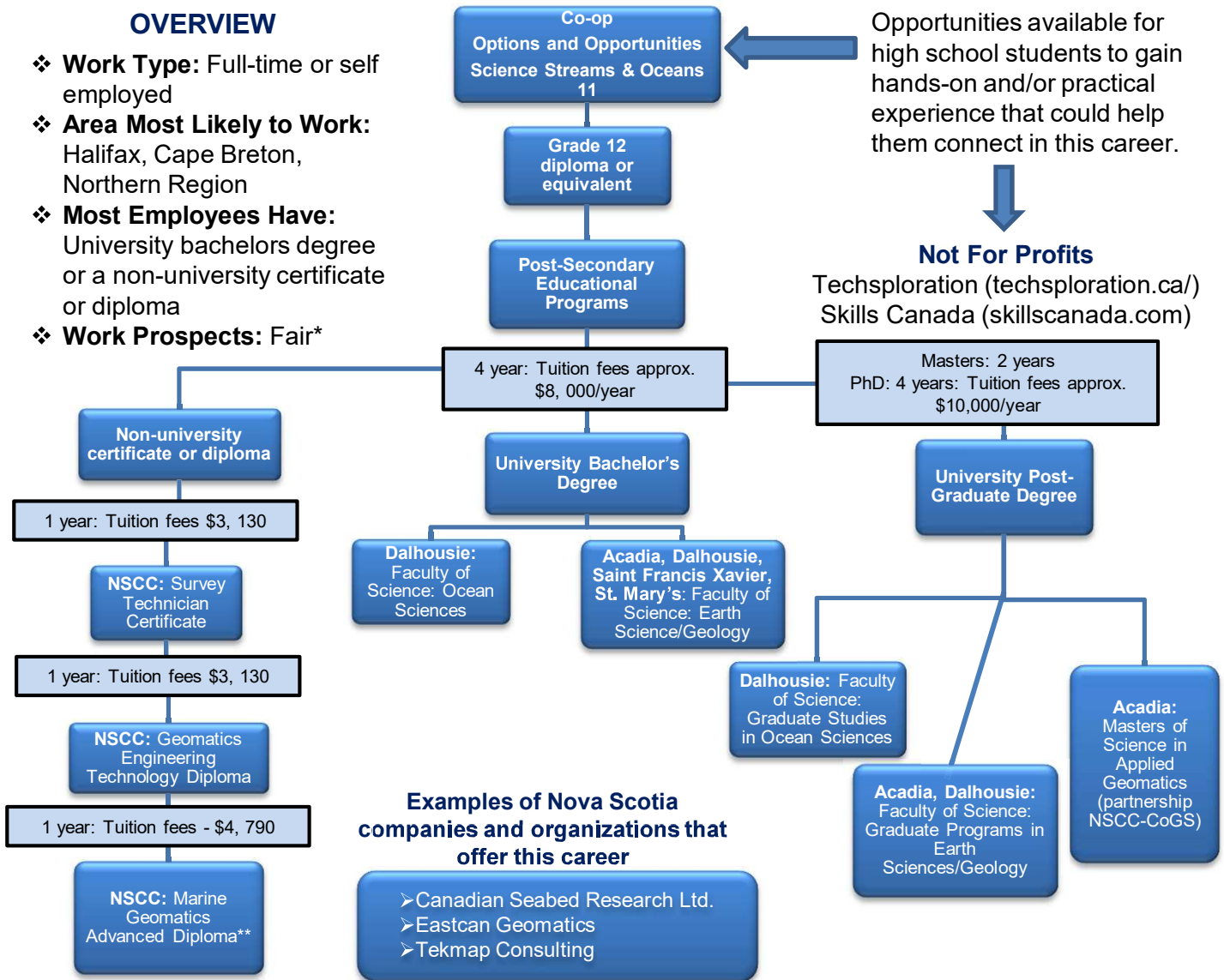
CAREER PATHWAY

OVERVIEW

- ❖ **Work Type:** Full-time or self employed
- ❖ **Area Most Likely to Work:** Halifax, Cape Breton, Northern Region
- ❖ **Most Employees Have:** University bachelors degree or a non-university certificate or diploma
- ❖ **Work Prospects:** Fair*

Opportunities available for high school students to gain hands-on and/or practical experience that could help them connect in this career.

Not For Profits
Techsploration (techsploration.ca/)
Skills Canada (skillscanada.com)



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.
- ** The NSCC Marine Geomatics Advanced Diploma is designed for students who possess a Bachelor of Science or Engineering or a diploma in the field of Geomatics
- Careers Nova Scotia (<http://careers.novascotia.ca/>)
- Create your career plan (careerplan.nsc.ca)
- 2255 national occupation classification (<http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/ProfileQuickSearch.aspx?val=2&val1=2255&val65=geomatics>)