



## Wanna be an Electrical Officer?

Do you enjoy troubleshooting complex electrical equipment using the proper test equipment and relevant blueprints or drawings? Do you have a good knowledge of computers and software applications? Do you enjoy working in a marine environment? Then, we may have the job for you!

### What do they do?

Under the supervision of the chief engineer, electrical officers maintain the ship's electrical machinery and power equipment such as the ship's distribution systems, alarm and monitoring system, main propulsion generators, propulsion motors, ship's service generators, and emergency generator.

When the vessel is entering or leaving port, electrical officers maintain surveillance at the main propulsion control system to ensure the control equipment is operating correctly, and to take emergency action if the equipment malfunctions.

Electrical officers make improvements to the ship's electrical/electronic systems by analyzing operating records of electrical/electronic machinery and making recommendations for improvement. They also assist engineering and scientific personnel in electrical matters.

In addition to their other duties, electrical officers look after the safety of all personnel by encouraging safe working

habits, eliminating safety hazards and assisting in accident investigations.

### How do I become an Electrical Officer?

If you want to become an electrical officer, you will need to complete a three- to four-year Electrical Engineering Technology Program from a recognized institute, such as the Marine Institute or the College of the North Atlantic. You will also need a Second Class Electrical Certificate from Transport Canada (TC).

Like all positions on Coast Guard vessels, you will require a Marine Emergency Duties (MED) certificate, a valid medical certificate and a security clearance.

Individuals interested in the Officer Cadet Training Program (OCTP) offered at the Canadian Coast Guard College should visit the College website for more information at [www.cg.gc.ca](http://www.cg.gc.ca).

Openings for jobs with the Canadian Coast Guard (CCG) are advertised through the Public Service Commission (PSC) website at [www.jobs.gc.ca](http://www.jobs.gc.ca).

## spotlight on...



### Terry Hunt, Electrical Officer, CCGS Henry Larsen

*"One of the things I like about my job is solving problems that pose threats or danger to the ship's operations and the personnel onboard. I also enjoy repairing equipment that, if faulty, renders the ship out of service. One time, while on a refit in June, 1998 in St. John's, a fire broke out in the engine room while contractors were welding a distiller in place. It quickly spread through the engine room spaces, and a lot of wiring was destroyed and had to be replaced to get every control and all monitoring systems back in service. The electrical officers onboard were responsible for rewiring the systems that were destroyed. After doing all reverse engineering on every system that was destroyed, we started to piece together the systems again. The project took eight months to complete and on the day of our sea trials, we had a perfect success. All systems were back to normal."*

Published By:  
Fisheries and Oceans Canada  
Communications Branch  
P.O.Box 5667  
St. John's, NL A1C 5X1

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DFO/2005-308  
Catalogue Number: Fs154-7/2-2006  
ISBN: 0-662-49111-4