



An Electrical Cadet or Electro-Technical Cadet is someone undergoing a cadetship with the goal of learning how to maintain and repair the electrical and electronic equipment and machinery onboard a vessel. A cadetship involves time spent in the classroom as well as practical on-the-job training at sea.

The aim of the cadetship is to teach budding ship electricians and Electro-Technical Officers how to look after, troubleshoot, maintain and repair the myriad of different electronic and/or electrical systems and equipment that help a vessel to run safely and efficiently.

What are an Electrical Cadet or Electro-Technical Cadet's duties and responsibilities?

With no shortage of electrical and electronic equipment onboard a modern vessel, there are no shortage of things to do to keep a cadet working in this area busy! While working on a ship an Electro-Technical or Electrical Cadet could be learning how to do any of the following things:

- Maintaining and repairing electrical / electronic equipment, machinery and systems.
- Supporting and assisting their fellow crew members and department heads.
- Completing the tasks assigned to them in the Electrical Cadet Record Book
- Making sure all aspects of the employer's OH&S (Occupational Health & Safety) are adhered to during their work.
- Taking part in any onboard drills or training.
- Taking part in planned maintenance and resolving any problems that have arisen.

It is essential that a cadet working in this department has an interest in systems, equipment, electrics and electronics. While an Electrical Cadet will of course be working more with electrics

and an Electro-Technical Cadet with electronics, they will likely find themselves coming into contact with:

- Propulsion control
- Radio communications
- Electricity generating plant
- Automated/electronic control systems
- Bridge navigation equipment and systems (source:

<https://www.marineinsight.com>)