



BASIC ELECTRONICS – IMO 7.02

This course is designed for Electricians and Engineer Officers involved in the operation, maintenance and repair of various electrical systems found onboard ship. It covers essential theoretical and practical aspects of electrical fundamentals and equipment.

COURSE AIMS: This course aims to provide essential engineering knowledge and skills necessary to operate and maintain ship's electrical systems. In particular, those who shall successfully complete the course should be able to understand the operational principle of the different types of electronic control system and accordingly perform systematic testing, faultfinding and troubleshooting.

COVERAGE / PROGRAM FOCUS: Emphasis of instruction deals with the following subject and training areas:

- DC-Circuits Analysis
- Inductance/Capacitance
- Semi-conductors
- Transistors
- Amplifiers
- Operational Amplifier
- Printed Circuit Boards/Schematics
- Digital Logic Circuits
- Design Test and Faultfinding
- Electronic Control Circuit Application

METHOD: Combination of classroom lecture and laboratory work in circuit building through the use of Digital-Analog training kits covering both the theoretical and practical aspects of circuitry and faultfinding techniques.

ENTRY REQUIREMENT / TARGET GROUP: Preferably experienced as Electrician or Engineer Officer.

COURSE CERTIFICATE: A Certificate of Completion is given to each participant who satisfactorily fulfills the Course.

DURATION:

2 Weeks

(10 Days: 0830H – 1600H)

2012 DATES:

1. Jan 02–06 / 09–13
2. Jan 30–Feb 03 / 06–10
3. Mar 12–16 / 19–23
4. Apr 09–13 / 16–20
5. May 07–11 / 14–18
6. Jul 09–13 / 16–20
7. Aug 06–10 / 13–17
8. Sept 03–07 / 10–14
9. Nov 05–09 / 12–16
10. Dec 03–07 / 10–14

COURSE CONTRIBUTION:

USD 709.00

(NSA Member)

USD 788.00

(Non-NSA Member)

*Inclusive of course
materials/handout*

