

COURSE TITLE	FOUNDATION COURSE FOR LICENSE “A”
COURSE AIM	This course is intended to enable the trainees acquire basic knowledge in Mathematics and Physics (O Level). This will help them be familiar with the syllabus of the Formal Course for Domestic Installation License "A".
COURSE CONTENTS	<p><u>Mathematics</u></p> <ol style="list-style-type: none"> 1. Arithmetic functions 2. Use of scientific calculator 3. Fractions and Decimals 4. Standard Numbers 5. Reciprocals 6. Powers Indices 7. Multiples & Submultiples of Units 8. SI Units 9. Conversion of Units 10. Problem Solving 11. Right Angle Triangle 12. Pythagoras Theorem 13. Circle 14. Algebra & BODMAS 15. Simultaneous Equations 16. Transposition of Formulas associated with Electrical Problems 17. Identification of DC and AC waveforms <p><u>Physics</u></p> <ol style="list-style-type: none"> 1. Electricity – electron, atom, Ohm’s Law, Power Triangle, DC & AC Waveforms, Rms, Average Value 2. Energy (Knetic/Potential)



Operational Programme II – Cohesion Policy 2007-2013
Empowering People for More Jobs and a Better Quality of Life
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- 3. Specific Heat Capacity
- 4. Energy, Heating and Temperature

DURATION	100 hours
SCHEDULE	Three times a week, afternoons or evenings.
VENUE	At the ETC Training Complex in Hal Far.
ELIGIBILITY	All persons aged 16 years and over. Literacy and numeracy are an asset
FEE	Nil
CERTIFICATION	Certificate of achievement issued by ETC.



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