

COURSE TITLE	<p style="text-align: center;">ELECTRICAL ENGINEERING CITY AND GUILDS QUALIFICATION (3529-08)</p>
COURSE AIM	<p>Emphasis will be given to the practical aspect of the subject. The appropriate regulations will be studied concurrently with electrical installation practice. When installation work is being carried out, reference will be made to IEE Regulation. It should be understood that this syllabus is not designed to train the participants to be an electricians but to assist them to become competent in the trade and act as assistants to qualified electricians.</p>
COURSE CONTENTS	<ol style="list-style-type: none"> 1. Health and Safety <ol style="list-style-type: none"> a. Inspect earthing systems and the fuse types. b. Check equipment/systems are correctly earthed and protected. 2. Installation and testing <ol style="list-style-type: none"> a. Determine rating of cables and flexible chords. b. Select wiring conductors for specific applications. c. Make terminations and connections in cords, cables, conduit and trunking. d. Construct and install a steel conduit system and test for electrical continuity: Minimum 2m run, one 90° pulled bend, two outlet boxes. e. Install a lamp holder, switch and wiring to the steel conduit system in 2.20 and terminate conductors. f. Install a socket outlet and wiring to the plastic conduit system g. Test the conduit system installed. h. Select, use, clean and store electrical measuring instruments. i. Verify the theory of single and 3 phase systems by actual measurement of voltage. j. Interpret electrical circuit and wiring diagrams. k. Draw a wiring diagram of connections from a given circuit diagram.
DURATION	94 hours
SCHEDULE	Twice a week, evenings.
VENUE	At the ETC Training Complex in Hal Far.



ELIGIBILITY	Mature adults who are highly motivated to pursue further studies and proficient in the English Language.
FEE	Nil.
CERTIFICATION	Certificate of Achievement by ETC



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