



ELECTRICAL INSTALLATION AND MAINTENANCE NC III

Course Code: CONEIM308

BASIC COMPETENCIES

Code No.	Units of Competency
500311109	Lead Workplace Communication
500311110	Lead Small Teams
500311111	Develop and practice negotiation skills
500311112	Solve problems related to work activities
500311113	Use Mathematical concepts and techniques
500311114	Use relevant technologies

COMMON COMPETENCIES

Code No.	Units of Competency
CON724201	Prepare Construction Materials and Tools
CON311201	Ensure compliance with standard procedures, specifications and manuals of instructions
CON311202	Interpret and follow technical drawings and plans
CON311203	Supervise mensuration and related computations
CON311204	Supervise proper use and maintenance of tools and equipment

CORE COMPETENCIES

Code No.	Units of Competency
CON724308	Prepare electric and hydraulic Tools
CON724309	Perform roughing-in and wiring for activities for bus and underfloor ducts
CON724310	Perform installation of wiring devices for floor and ground fault interrupting outlets
CON724311	Perform installation of standard electrical protection system for lighting and grounding
CON724312	Perform installation of electrical lighting systems, auxiliary outlets and lighting fixtures
CON724319	Perform installation of data measurement and control system on electrical and auxiliary equipment
CON724320	Assemble and install electrical lighting and motor control systems
CON724321	Perform maintenance and troubleshooting works

ENTRY REQUIREMENTS

Must be a holder and/or have undergone training in Electrical Installation and Maintenance NC II or Mechatronics Servicing NC II.



JOB OPPORTUNITIES

Upon completion of the course, trainees/students may be employed as:

- *Assistant Supervising Technician*
- *Assistant Electrical Foreman*
- *Assistant Electrical Supervisor*
- *Electrical Leadman*

EVIDENCES

Upon completion of the course, trainees/students must be able to:

- Prepare electric and hydraulic tools
- Perform roughing-in and wiring for activities for bus and underfloor ducts
- Perform installation of wiring devices for floor and ground fault interrupting outlets
- Perform installation of standard electrical protection system for lighting and grounding
- Perform installation of electrical lighting systems, auxiliary outlets and lighting fixtures
- Assemble and install electrical lighting and motor control systems
- Perform maintenance and troubleshooting works.

NATIONAL ASSESSMENT

To attain the National Qualification of ELECTRICAL INSTALLATION AND MAINTENANCE NC III, the candidate must demonstrate competence in all the units. Successful candidates shall be awarded a National Certificate signed by the TESDA Director General.