



PETROLEUM TRAINING INSTITUTE N I G E R I A

P.M.B. 20, EFFURUN, DELTA STATE, www.pti.edu.ng

NATIONAL SKILLS QUALIFICATION (NSQ) PROGRAMMES

WELDING AND FABRICATION

Programme Objective: To gain knowledge, skills, and competencies in various welding processes. E.g. gas & arc welding including inert gas, various welding joins and basic of welding ferrous and non-ferrous metals that the student can apply them in engineering industry applications.

LEVEL 1:

Eligibility for admission- Ability to read and write as minimum entry qualification

Duration — 6 Months

Study Method — Vocational and Workplace Environment Training and Assessments.

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Career Path — Level 2 Welding and Fabrication

LEVEL 2

Entry Qualification —Level 1 Qualification

Duration — 1 year

Study Method — Vocational and Workplace Environment Training and Assessments.

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Overview — The qualification is based on National Occupational Standards (NOS) in Welding and Fabrication and is recognize Internationally.

Description — Trainee will cover knowledge on;
- Select and apply welding processes and troubleshoot welding equipment
- Use a variety of destructive and Non-destructive methods to test welds and acquire advanced skills in fitting and fabrication.

Career Path — Level 3 Welding and Fabrication

LEVEL 3

Entry Qualification —Level 2 Qualification

Duration — 1 year

Study Method — Vocational and Workplace Environment Training and Assessments.

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Overview — The qualification is based on National Occupational Standards (NOS) in Welding and Fabrication and is recognize Internationally.

Description — Trainee will acquire knowledge in core area;
- Gain comprehensive theoretical knowledge and have extensive practical hands-on training in welding and metal cutting techniques and all major welding processes.
- Gain knowledge on metal Fabrication, thermal cutting, brazing and soldering.
- Equipment Operation

Career Path — Welder or Work in Welding company

Automobile Mechatronics

Level 1 Automobile Mechatronics

Programme Objective: Trainees to gain knowledge, skills and competencies of an Automobile Mechanic. E.g. to repair petrol/diesel fuel systems, ignition systems, transmission systems, engine cooling systems, and chassis electronic systems, including passenger safety & security systems. Health and Safety in the Workplace, Technical Information, Communication and Team work
Knowledge of Automobile Mechanic

Eligibility for admission- Ability to read and write as minimum entry qualification

Duration — 6 months

Study Method — Vocational and Workplace Environment Training and Assessments.

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Overview — The qualification is based on National Occupational Standards (NOS) in Automobile mechanic and is recognize internationally.

Description — Trainee will cover knowledge on these core areas.
Trainee will also learn key practice skills and knowledge.

- Gain an overview of the components and workings of a vehicle
- Understand transmission systems, both manual and automatic
- Learn about the engine, chassis and electronics

Career Path — Level 2 Automobile Mechatronics

LEVEL 2 Automobile Mechatronics

Duration — 1 year

Study Method — Vocational and Workplace Environment Training and Assessments.

Entry Qualification — Level 1 Qualification

Additional Information — Examination/Assessments are included in price

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Overview — The qualification is based on National Occupational Standards (NOS) in Automobile Mechanic and is recognize Internationally.

Description — Trainee will cover knowledge in these core areas.

- Vehicle design and dynamics
- Vehicle Performance
- Power transmissions Technology and Vehicle Structures

Career Path — Level 3 Automobile Mechatronics

LEVEL 3 Automobile Mechatronics

Duration — 1 year

Study Method — Vocational and Workplace Environment

Training and Assessments.

Entry Qualification — Level 2 Qualification

Additional Information — Examination/Assessments are included in price

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Overview — The qualification is based on National Occupational Standards (NOS) in Automobile Mechatronics and is recognize Internationally.

Description — Trainee will acquire knowledge in these core areas;

- Learn to recognize defects and malfunctions and how to rectify them
- Use technical manuals and computer assisted diagnostic equipment to check and analyse the performance of electric/electronic, Mechanical, pneumatic and hydraulic systems.
- Service vehicles and their systems, put them in operation and test whether they meet road traffic regulations and repair of hybrid vehicles.

Career Path — Auto Electrician, Vehicle Manufacturers and Engineering Consultancies.

SATELLITE TV ANTENNA INSTALLATION AND MAINTENANCE

LEVEL 1 SATELLITE TV ANTENNA INSTALLATION AND MAINTENANCE

Programme Objectives — Trainee will acquire knowledge in these core areas;

- Health, Safety and Welfare
- Technical Information, communication, and teamwork
- Knowledge of satellite tv antenna installation and maintenance
- Trainee will also learn key practice skills and knowledge on;
- How to install/mount satellite tv antenna
- Preventive measures required to maintain a useful satellite
- Knowledge of current tv antenna equipment.

Eligibility for admission- Ability to read and write as minimum entry qualification

Duration — 6 Months

Location — Petroleum Training Institute, Effurun and Programme related Work Environment

Career Path — Level 2 Satellite Tv Antenna Installation and Maintenance

LEVEL 2 SATELLITE TV ANTENNA INSTALLATION AND MAINTENANCE

Entry Qualification- Level 1 Satellite TV installation and maintenance

Duration — 1 year

Study Method — Vocational and Workplace Environment Training and Assessments.

- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Overview – The qualification is based on National Occupational Standards (NOS) in Satellite Tv antenna Installation and maintenance and is recognize Internationally.
- Description – Trainee will acquire knowledge on;
- Understanding cable, internet and telecommunications connections
 - Acquire knowledge on variety of satellite and an auxiliary systems
- Career Path – Satellite Tv Antenna Installer

ELECTRICAL MAINTENANCE

Programme Objective: introduction and Safety, Schematic Diagram, System Feeding Arrangements and Interface with electric utility, HV Switchgear, Circuit Breakers, Isolators, Switches and Transformers, System Protection and Associated Equipment, Identification of Electrical Hazards and use of PPE, Switching and Communication Procedures, Live Switching of Electrical Equipment, Management of the System under Normal and Fault Conditions

LEVEL 1

Eligibility for admission— No formal qualification/ **Ability to read and write as minimum entry qualification**

- Duration – 6 Months
- Study Method – Vocational and Workplace Environment Training and Assessments.
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Career Path – Level 2 Electrical Maintenance

LEVEL 2

- Entry Qualification – Level 1 Qualification in electrical Maintenance
- Duration – 1 year
- Study Method – Vocational and Workplace Environment Training and Assessments.
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Overview – The qualification is based on National Occupational Standards (NOS) in Electrical Maintenance and is recognize Internationally.
- Cares Path - Level 3 Electrical Maintenance

LEVEL 3

- Qualification – Level 2 Qualification in electrical Maintenance
- Study Method – Vocational and Workplace Environment Training and Assessments.
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Overview – The qualification is based on National Occupational Standards (NOS) in Electrical Maintenance and is recognize Internationally.
- Description – Trainee will cover topics on.
- This unit is designed to enable learners to develop the skills and apply the relevant knowledge associated with Health and Safety legislation, practices and procedures when installing and maintaining electrical systems and equipment.
 - Effective way to maintain Electric
 - Health and Safety management on electrical maintenance.

ELECTRICAL INSTALLATION

Programme Objective: To gain knowledge, skills and competencies of Power Electrical, E.g. to prepare estimation for electrical installations, to carry out domestic single phase electrical installation, to install domestic safety/security and communications systems, to carry out inspection, testing, fault finding and repair in domestic electrical installations.

LEVEL 1

- Entry Qualification – No formal qualification/ability to read and write
- Duration – 4 Months
- Study Method – Vocational and Workplace Environment Training and Assessments.
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Overview – The qualification is based on National Occupational Standards (NOS) in Electrical Installation and is recognize Internationally.
- Career Path – Level 2 Electrical Installation

LEVEL 2

- Entry Qualification –Level 1 Electrical Installation
- Duration – 1 year
- Study Method – Vocational and Workplace Environment Training and Assessments
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Career Path – Progress to a Level Electrical Installations.

LEVEL 3

- Entry Qualification: Level 3 Electrical Installation.**
- Duration – 1 years
- Study Method – Vocational and Workplace Environment Training and Assessments.
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Overview – The qualification is based on National Occupational Standards (NOS) in Electrical Installation and is recognize Internationally.
- Career Path – Achievement of this course could lead to employment as an electrical improver or a Level 3 Apprenticeship in the electro-technical industry.

COMPUTER HARDWARE MAINTENANCE AND REPAIRS

LEVEL 1

- Trainee will acquire knowledge on;
- Install, Maintain and Support new applications.
 - Troubleshoot desktop and system problems, diagnose and solve hardware/software incidents/problems.
 - Facilitate the movement of IT equipment
 - Supporting Windows 7, 8 and 10

Entry Qualification – ABILITY TO READ AND WRITE

- Duration – 6 Months
- Study Method – Vocational and Workplace Environment Training and Assessments.
- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Career Path - IT Technician, Network Engineer, Cyber Security Analyst, Level 2 Computer hardware maintenance and repairs.

LEVEL 2

- Entry Qualification – level 1 computer hardware maintenance and repairs
- Duration – 1 year

Study Method – Vocational and Workplace Environment Training and Assessments.

- Location – Petroleum Training Institute, Effurun and Programme related Work Environment
- Overview – The qualification is based on National Occupational Standards (NOS) in Computer Hardware Maintenance and Repairs and is recognize Internationally.
- Description – Trainee will acquire knowledge in;
- Listing technology careers and recognize the interpersonal and business skills necessary to succeed as a PC Technician.
 - Diagnose and repair problems of desktop/laptop
 - Learn the fundamentals of hardware, handling, testing and troubleshooting of personal computer problems.
- Career Path – PC Technician.

REFRIGERATION AND AIR CONDITIONING REPAIRS AND MAINTENANCE

Programme objective: To gain knowledge, skills and competencies of A refrigeration and air conditioning mechanic, E.g. Preparation of material related to refrigeration and air conditioning Fields, welding of metals and other types of welding work in the sphere of refrigeration and air conditioning, Maintaining PVC and metal pipeline systems in the field of refrigeration and air conditioning and fixing a new system, tinkering work in refrigeration and air conditioning systems, Rectifying faults in mechanical, refrigerant and electrical systems in refrigerators and air conditioners and Installing and maintaining various types of refrigerators, cooling towers and air conditioners.

Level 1

- Qualification –No formal Qualification/Ability to read and write.
- Duration – 1 year
- Study method - Vocational and Workplace Environment Training and Assessment
- Location - Petroleum Training Institute, Effurun and programme related work environment
- Overview - The qualification is based on Refrigeration and Air Conditioning Repairs and Maintenance, National Occupational Standards (NOS) and its recognise internationally.

LEVEL 2

Entry Requirement: Level 1 Refrigeration and Air-conditioning

- Duration - 1 years
- Study method - Vocational and Workplace Environment Training and Assessment
- Location - Petroleum Training Institute Effurun and programme related work environment
- Overview - The qualification is based on National Occupational Standards (NOS)in refrigeration and air conditioning repairs and maintenance.

For further enquiry, contact:

Website: www.pti.edu.ng
Tel: +2348058504838
Email: nsq@pti.edu.ng

FOR FURTHER INFORMATION ABOUT NSQ VISIT
<https://net.nbte.gov.ng/nsq>