AFRICAN ACADEMY

FACT SHEET

Programme: 99575 - Occupational Certificate: Draughtsperson (Piping Draught Person)

Part time: 2.5 years

Description
The Occupational Certificate: Draughtsperson (Piping Draught Person is designed to provide learners with informed understanding of draught piping. A Piping Draughtsperson produces a range of piping drawings for the engineering and related construction industry. Piping Draughting is a specialised activity involving considerable theory and use of hand skills. Piping Draughtspersons work for and are in demand in a variety of sectors like engineering, construction, process plants for Food and the Petro-Chemical industry.

Admission requirements
Grade 12 or equivalent NQF Level 4, with mathematics.

Programme content

Knowledge Modules:
- Piping Draughting, Level 5, Credits 85.
- Communication, time management and problem solving, Level 5, Credits 10 Credits.

Total number of credits for Knowledge Modules: 95

Practical Skill Modules:
- Produce drawings on piping components and fittings and mechanical, utility, process and instrumentation diagrams (P and IDs and MFDs), Level 5, 12 Credits.
- Produce plant utility piping system 2-D drawings, process plant layout and piping conceptual drawings and piping general arrangement drawing, Level 5, 20 Credits.
- Generate piping isometric drawings and interpret piping, layout and design drawings, Level 5, 8Credits.
- Communication, time management and problem solving, Level 5, 10 Credits.
- Produce basic drawings, Level 4, Credits 8 Credits

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Total number of credits for Practical Skill Modules: 41

Work Experience Modules:
- Generation of various flow diagrams from industry specific specifications and symbology, Level 5,16 Credits.
- Generation of 3-D models, Level 5, 20 Credits.
- Extraction of a range of drawings from 3-D models, Level 5, 20 Credits.
- Participation in design review meetings, Level 5, 6 Credits.
- Interpretation of a range of pipe drawings from existing process plants and/or generated by others, Level 5, 12 Credits.
- Communication, Level 5, 7 Credits.

Total number of credits for Work Experience Modules: 81

Duration
18 Months college + 12 months Internship (234 Credits)

Course Fees:

Pricing Available Upon Request

Additional Costs (books, kits, etc)
All additional costs are included in the course fee. Student packages on the software (AutoCAD) and reference textbooks are additional.

Vertical Articulation:
- 122686 - Occupational Diploma: Mechanical Engineering Technician (Automation), NQF 6
- 124468 - Advanced Occupational Certificate: Mechanical Engineering Designer, NQF 6

Certification
On successful completion of the programme, the student will receive a Higher Occupational Certificate by QCTO.

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