



A F R I C A N A C A D E M Y

PROGRAMME:

SAQA ID: 50018 Further Education and Training Certificate: Computer Aided Drawing
 National Diploma: Structural steelwork detailing (NQF5) SAQA ID: 48636
 Full Time

Description

Become a specialist in Structural Steelwork Detailing. The qualification has been developed to assist with standardisation across the steel construction industry. This will allow a person to register as a structural steel detail draughtsperson and lay a foundation for future career advancement to supervisory and management qualifications within the sector.

Duration

Two year (257 credits)

Admission requirements

Learner must have required mathematical numeracy (geometry and trigonometry) communication and information technology and draughting skills (freehand and 3-dimensional) at NQF3-4 level.

Career path/ Opportunities

- Structural Mechanics and design
- Structural drawing and design
- Structural Engineer

Selection Procedure

Access to this qualification is open, bearing in mind learning assumed, to be in place.

Course Fees

Monies are payable upfront or with a study loan. Please contact the Academy for the relevant course fees.

Programme content

- Communication
- Numeracy
- Connection design and draughting practice techniques for basic structural steelwork assemblies
- Strength of materials
- Regulations, codes and drawing office practice on structural steel detailing processes
- Processes and sequences of the production of the detail drawings integrated with fabrication and site functions. Impact of these on time and cost of producing quality products within a contract
- Bracing systems, mechanical properties and load bearing calculations are illustrated.
- Quality Control of fabrication assembly and erection of structural steelwork
- 3D Computer modeling techniques
- Drawing layouts according to drawing office practice and setting out points are calculated.

Additional Costs (books, kits, etc)

All additional costs are included in the course fee. Student packages on the software are additional.

Certification

On successful completion of the programme, the student will receive a National Diploma, issued by the Construction Seta.

Disclaimer

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