

Structural Steelwork Detailing (NQF Level 5) Fact Sheet

African Academy
15 Reservoir Street,
Boksburg East Industrial, Gauteng
PO Box 26061, East Rand, 1462



Tel: +27 (0) 11 914-4340
Fax: +27 (0) 11 914-4342
info@africanacademy.co.za
www.africanacademy.co.za

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

Programme: National Diploma: Structural Steelwork Detailing (NQF5)

SAQA ID: 48636

Full-time / Part Time: Every Saturday (2 years)

Third year - practical in workplace

Description

Become a specialist in Structural Steelwork Detailing. The qualification has been developed to assist with standardization 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.

Admission requirements

Learner must have required Maths on Matric level and Draughting skills or completion of the MDDOP course and ideally must be working within the SSD industry.

This candidate must understand and have experience in Shop Detailing, which are detailing of beams, columns, grids, platforms and understand GA's.

Selection Procedure

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

Programme content

- Communication
- Mathematics
- 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
- Drawing layouts according to drawing office practice and setting out points are calculated.

Duration

Every Saturday. Third year - practical in workplace

Career path/ Opportunities

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

Course Fees (R29 000 per year)

R3 000 deposit and the balance in 10 equal installments. Please note that annual fee increases, not in excess of 10%, may apply.

Additional Costs

Applicable Red, Yellow, Green and Blue books.
City & Guilds certificate.

Certification

Certificate from the Construction Seta. City and Guilds International Certificate.

The African Academy is:



City & Guilds is a globally recognized and respected awarding organization and serves as a benchmark for educational quality.

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