

No. 909

28 September 2007

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Quantity Surveying

registered by Organising Field 12, Physical Planning and Construction, publishes the following Qualifications and Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualifications and Unit Standards. The full Qualifications and Unit Standards can be accessed via the SAQA web-site at www.saga.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualifications and Unit Standards should reach SAQA at the address below and **no later 26 October 2007**. All correspondence should be marked **Standards Setting – Quantity Surveying** and addressed to

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SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:
Bachelor of Quantity Surveying

SAQA QUAL ID	QUALIFICATION TITLE		
59182	Bachelor of Quantity Surveying		
ORIGINATOR		PROVIDER	
SGB Quantity Surveying			
QUALIFICATION TYPE	FIELD	SUBFIELD	
National First Degree	12 - Physical Planning and Construction	Physical Planning, Design and Management	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	360	Level 6	Regular-Unit Stds Based

PURPOSE OF THE QUALIFICATION

Purpose and Rationale:

Quantity Surveying is acknowledged as an independent profession within the context of the built environment world-wide. Registered Quantity Surveying Technologists, i.e. persons who have been awarded this Bachelor's Degree in Quantity Surveying and who are registered with the South African Council for the Quantity Surveying Profession in terms of the Quantity Surveying Profession Act 2000 (Act No 49 of 2000) enjoy due recognition and financial reward in terms of their specialised skills and technical competence in the provision and application of primary or fundamental quantity surveying expertise (theory and practice) relative to quantity surveying in the Built Environment, including:

- Planning for Construction Projects: Feasibility Studies, Life Cycle Cost Analyses.
- Project Cost Management, Procurement and Administration: Cost Management, Procurement, Contract Administration, Resource Analysis.
- Specialised Management Services.
- Support Competencies.

Graduates are equipped to apply primary quantity surveying skills as employees, under the supervision of a Registered Professional Quantity Surveyor and are:

- Eligible for employment in numerous spheres of the economy, which include private sector consultancies and professional firms, public sector employment (State, provincial and local authorities), tertiary/adult basic/further education and training, financial institutions, property development enterprises, research organisations, and construction companies.
- Empowered to build their personal career paths through undertaking further learning programmes with a view to articulation towards obtaining additional qualifications associated with the built environment.

The Bachelors degree in Quantity Surveying (NQF Level 6) is the new prerequisite qualification leading to admission to the Honours degree in Quantity Surveying (NQF Level 7) teaching/learning programme.

This qualification is intended to assist all relevant stakeholders and role players, such as potential employers operating in the built environment or other fields related to physical planning and construction, curriculum developers and providers of learning programmes, all education and training bodies and relevant moderators as well as learners and their parents, to understand

the notion of and criteria determining the level and the outcomes of the teaching/learning programme associated with this Bachelor's Degree in Quantity Surveying, which is bound by discipline-specific, primary or fundamental quantity surveying expertise (theory and practice) and has been developed by consensus amongst a widely representative group of Knowledge Experts operating in the Built Environment who support the scope, complexity of learning and competencies to be acquired by learners undertaking this programme of study.

While demand for quantity surveying skills in the construction industry is influenced by economic factors, for example, capital investment in property development projects, the skills and knowledge-base acquired by holders of this Degree afford opportunities for employment in sectors other than construction, for example, manufacturing industries, retailing, and maintenance (structures of all types).

Typically, a programme leading to the award of a Bachelor's Degree in Quantity Surveying aims to develop graduates who will possess demonstrable, specific skills and competencies to:

- Deal with basic commercial and management issues.
- Communicate effectively on all matters to which their skills and competencies have been applied.
- Use and apply information technology.
- Interpret and apply fundamental economic and legal principles.
- Execute tasks requiring numerical and quantification expertise.
- Apply knowledge of technology related to the Built Environment.
- Conduct personal research relative to their spheres of technical and professional expertise and apply information obtained from other sources.

The principal purposes of this qualification are to provide learners with primary or fundamental quantity surveying expertise (theory and practice) associated skills and competencies related to quantity surveying in the construction and property industries:

- Equip learners with a foundation for further intellectual development and opportunities for gainful employment and rewarding contributions to society.
- Provide the built environment professions with Graduates who possess contextually-specific expertise and skills.
- produce learners who are prepared for and understand the principles of:
 - Life-long learning.
 - Critical citizenship.
 - A wide range of issues which are crucial to the welfare of society, e.g. upliftment, empowerment and transformation.
- Contribute towards a learner's capacity to meet the prerequisites for statutory registration as a Registered QS Technologist with the South African Council for the Quantity Surveying Profession in terms of the Quantity Surveying Profession Act 2000 (as amended).

This qualification is for persons who meet the:

- Formal requirements for admission as candidates for the degree (set by institutional discretion).
- Additional institution-specific requirements related to minimum access standards for particular disciplines.
- Appropriate RPL requirements which provide access to candidates who do not comply with formal prerequisites for admission.

In addition, this qualification is for persons who desire to undertake post-graduate study leading to enhancement of their qualification/s.

RECOGNIZE PREVIOUS LEARNING?

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LEARNING ASSUMED IN PLACE

- Mathematics at NQF Level 5.
- Communication at NQF Level 5.
- Physical Science at NQF Level 5.

It is important to note that learners who do not have a Matric mathematics and science may have difficulty in successfully completing this qualification programme.

Learners who apply for admission to this qualification should be able to:

- Comprehend what they have learned.
- Communicate it reliably, accurately and comprehensively in the required medium of instruction.
- Take responsibility for their own learning and its progression within a well-structured and managed learning environment.
- Evaluate their own performance.

Recognition of Prior Learning:

This Qualification may be achieved in part or completely through RPL, which includes formal, informal and non-formal learning and work experience.

Persons desiring entrance to the programme leading to the award of this qualification are:

- Advised, assisted and supported (portfolio compilation, orientation to required levels of competence, substantiation of their claims regarding prior skills/experience, planning of progression).
- Evaluated and assessed in accordance with their claims regarding prior skills and experience gained (portfolio review, implementation of assessment/evaluation methods, recommendations arising from the assessment/evaluation processes).
- Provided with quality management/assurance objectives to support the achievement of competence leading to the award of the qualification (assessment of competence in respect of required outcomes, auditing, approval, recommendation, reporting).

Access to the Qualification:

- Access to this Qualification is open bearing mind learning assumed to be in place.

QUALIFICATION RULES

Rules of combination:

Fundamentals:

- All the fundamental unit standard to the value of 37 credits are compulsory.

Core:

- All the core unit standards totalling 272 credits are compulsory.

Electives:

- Learners must choose a minimum of 51 credits from the electives in order to be awarded the qualification, to make total of 360 credits.

EXIT LEVEL OUTCOMES

1. Apply primary or fundamental quantity surveying expertise (theory and practice) and understanding of quantity surveying practice relative to construction project development.
2. Demonstrate familiarity with the content and theory related to quantity surveying practice and procedure relative to new and existing facilities in the Built Environment.
3. Demonstrate systematic, well-rounded technical knowledge and an ability to question basic assumptions related to core theory, practice and basic methodology used in quantity surveying and other disciplines operating in the built environment.
4. Demonstrate competence related to fundamental modes of inquiry employed in the practice of quantity surveying and other disciplines operating in the Built Environment, in response to well-defined and frequently-encountered problems.
5. Communicate in a variety of ways within the Quantity Surveying environment.

Critical Cross-Field Outcomes:

This qualification promotes, in particular, the following critical cross-field outcomes:

Identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made when:

- Identifying and developing component shapes for a quantity surveying activity.
- Obtaining information where instructions or information on drawings is insufficient.
- Identifying and pro-actively reporting on non-availability of resources and materials.

Working effectively with others as a member of a team, group, organisation, and community during:

- Activities involving clients, co-workers and other trades on site.
- Communicating and receiving advice from supervisor.

Organising and managing oneself and one's activities responsibly and effectively when:

- Setting out the work area and preparing to fabricate and install components.
- Performing activities in accordance with industry standards.
- Selecting quantity surveying tools and equipment in accordance with the requirements of the task.
- Ensuring tools, equipment and quantity surveying materials are securely stored.
- Maintaining minimum quantities of quantity surveying materials in accordance with task requirements.
- Safety equipment and clothing is selected and prepared in accordance with legislative requirements.

Collecting, analysing, organising and critically evaluating information to better understand and explain by:

- Carrying out written site instructions issued by the client, correctly and efficiently.
- Correctly interpreting information contained in drawings.
- Setting out work areas from provided control positions and levels in accordance with instructions and drawings.