



Africa Skills
Private College

PLANT PRODUCTION

NQF 5

24 MONTHS

This qualification will form the basis for learners to extend their learning into more specialised areas of plant production and management and provides the basis of the establishment of sustainable farming operations through the inclusion of a wide spectrum of competencies required by farmers in South Africa.

FUNDAMENTALS

- 🔦 Communication skills in an agricultural environment
- 🔦 Mathematical calculations within the agricultural environment
- 🔦 Develop a data collection plan in the agricultural sector
- 🔦 Integrate sustainable systems thinking into planning and management processes

AGRICULTURAL PRACTICES

- 🔦 Ensure sound utilisation of agricultural resources
- 🔦 Describe the process of optimisation of water quality in an agricultural production system
- 🔦 Develop, implement and optimise a management system for food safety and quality practices in an agricultural supply chain
- 🔦 Incorporate an understanding of the importance of natural resource management in relation to agricultural practices into the design of a natural resource management plan of the farm in relation to area wide planning and when participating in area wide planning and local government structures and policies
- 🔦 Assist in determining the most appropriate and sustainable land-use for different parts of the land
- 🔦 Supervise the implementation and maintenance of the selected infrastructure and maintain the most appropriate land-use on a farm by continuously assessing the natural resource base

AGRI-BUSINESS

- 🔦 Control an agricultural input chain
- 🔦 Develop a strategic plan for agri-processing activities
- 🔦 Describe the integration of the marketing component as a part of the total agri-business
- 🔦 Analyse and interpret financial information in an agri-business
- 🔦 Demonstrate the ability to optimise and integrate farming systems

PLANT PRODUCTION

- 🔦 Describe the basic biochemistry involved in the physiological processes of a plant
- 🔦 Develop a soil fertility and plant nutrition plan
- 🔦 Plants are propagated in any production system
- 🔦 Implement and co-ordinate different harvesting plans
- 🔦 Identify, monitor and control pests, monitor beneficial arthropods, plant disease symptoms and weeds in a responsible manner by applying
- 🔦 Integrated Pest Management Principles to conserve the environment
- 🔦 Develop a plant manipulation management plan and manage

ENTRY REQUIREMENTS	NQF 4	GR11 qualification	SAQA	91782
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