



National Diploma **Plant Production**

With a specialisation in:
Viticulture

SAQA ID 49010

STUDY PROSPECTUS
2024/2025

COURSE OVERVIEW

National Diploma: Plant Production with a Specialisation in Viticulture | NQF 5, SAQA ID 49010

The National Diploma in Plant Production with a Specialisation in Viticulture is an academic programme supported by practical hands-on modules, developed for the sub-Saharan Viticultural Industry. The qualification focuses on industrial operational viticultural production and management skills within the framework of the sciences of plant biology, regenerative production, agricultural economics and strategic and business management, supported by fundamental knowledge of the application of basic computer skills, communication, applied mathematics, chemistry, and agricultural engineering technology.

The two-year National Diploma in Plant Production with a Specialisation in Viticulture will enable qualifying students to actively participate in primary vine production, whilst enhancing the overall agrarian process and gaining opportunities to access local, national and international agricultural markets. Competency will be obtained in specialised sub-fields of Vine Production with a strong focus on management and technical knowledge. On completion, students will be well-positioned to extend learning and practice into other sub-fields such as Animal Production, Mixed Farming and Farm Management.

WHAT YOU STUDY

First Year modules

Semester 1

1. Introductory Modules (INDU110& NATU110)
2. Basic Computer Skills (COMP110)
3. Communication Skills I (COMM114)
4. Applied Mathematics & Statistics I (MATH114)
5. Agricultural Science (AGSC110)
6. Agricultural Management & Economics I (AGMA114)
7. Plant Science I (PLNT114)
8. Viticulture I (VITI114)

Semester 2

1. Communication Skills II (COMM124)
2. Agri Engineering Technology (ENGI124)
3. Agricultural Management & Economics I (AGMA124)
4. Plant Science I (PLNT120)
5. Viticulture I (VITI124)

Second Year Modules

Semester 1

1. Applied Mathematics & Statistics II (MATH215)
2. Plant Science II (PLNT215)
3. Agricultural Management & Economics II (AGMA215)
4. Viticulture II (VIT1215)

Semester 2

1. Agricultural Management & Economics II (AGMA225)
2. Plant Science II (PLNT225)
3. Viticulture II (VIT1225)

ADMISSION REQUIREMENTS

The following minimum admission requirements will be required to enter for the National Diploma:

- National Senior Certificate (Grade 12), or National Certificate (Vocational) that allows entrance to Diploma or Higher Certificate studies
- Minimum Application Point of 20
- English tuition language with a minimum achievement level of 3 (40%)
- Mathematical Literacy with a minimum achievement level of 4 (50%), or • Mathematics with a minimum achievement level of 2 (30%)

CURRICULUM LAYOUT

First Year:

First Semester:

Introductory Module

- Introduction to Agripedia (INDU110)
- Nature of Thought (NATU110)

Module 1: Basic Computer Skills (COMP110)

- Introduction to Computers
- Computer Components
- Operating Systems
- Electronic Communication
- Microsoft Office

Module 2: Communication Skills I (COMM114)

- Accommodate audience and context needs in oral/signed communication
- Interpret a variety of literacy texts
- Interpret and use information from texts
- Write texts for a range of communicative contexts

Module 3: Applied Mathematics & Statistics I (MATH114)

- Conversions
- Quantities in Agriculture
- Circumference, Area, Volume & Distances
- 2 and 3 Dimensions
- Maps
- Data, Statistics & Probability in Agriculture
- Financial Mathematics

Module 4: Agricultural Sciences I (AGSC110)

- Animal & Plant Biology
- Basic Chemistry
- Ecology Principles
- Agro Chemicals & Chemical application

Module 5: Agricultural Management & Economics I (AGMA114)

- Farm Planning
- Introduction to Farm Management
- Human Resource Management
- Input Procurement, Purchasing & Stock Control

Module 6: Plant Sciences I (PLNT114)

- Introduction to plant production
- Plant Propagation & Manipulation
- Permaculture

Module 7: Viticulture I (VITI114)

- Introduction to Viticulture
- Soil science
- Plant Nutrition and Fertilisation
- Vine Physiology

First Year:

Second Semester:

Module 1: Communication Skills II (COMM124)

- Engage in sustained oral communication and evaluate spoken texts
- Read analyse and respond to a variety of texts
- Use language and communication in occupational learning programmes
- Write for a wide range of contexts

Module 2: Agri Engineering Technology (ENGI124)

- Energy
- Agricultural Safety
- Tools & Equipment
- Structural Materials & Construction Processes
- Irrigation & Water Supply
- Geographic Information Systems

Module 3: Agricultural Management & Economics I (AGMA124)

- Farm Business Planning
- Financial Management
- Natural & Sustainable Resources
- Marketing

Module 4: Plant Science I (PLNT124)

- Irrigation
- Advanced crop production
- Plant Anatomy & Physiology

Module 5: Viticulture I (VITI124)

- Viticulture: Fall practices
- Viticulture: Spring Practices
- Viticulture: Summer Practices
- Vineyard Pruning
- Vineyard Pest and Disease Management

Second Year:

First Semester:

Module 1: Applied Mathematics & Statistics II (MATH215)

- Patterns, Sequences & Series
- Functions
- Complex Numbers

Module 2: Plant Science II (PLNT215)

- Soil science
- Principles of Agronomy

Module 3: Agricultural Management & Economics II (AGMA215)

- Business Ownership
- Operational Planning and Execution
- Production Management & Sustainable Resource Management

Module 4: Viticulture II (VITI215)

- Vineyard Fertilization and Irrigation
- Establishment of vines
- Vineyard Management
- Integrated Pest Management

Second Year:

Second Semester:

Module 1: Agricultural Management & Economics II (AGMA225)

- Financial management
- Input procurement, Purchasing and Stock control
- Financial Statements

Module 2: Plant Science II (PLNT225)

- Organic certification
- Plant breeding
- Plant Anatomy & Physiology

Module 3: Viticulture II (VITI225)

- Advanced Vineyard practices
- Organic Viticulture
- Sustainable Viticulture
- Economics of viticulture

SKILLS AND JOB OPPORTUNITIES

You will develop, over the tenure of your studies, a critical understanding of modern viticulture in Africa and working in a global economy. You will gain practical and relevant skills that will enable you to work in the vine production sectors in Africa.

All course content is based on and supported by the latest industry developments, and these best practices will allow you to participate meaningfully in primary vine production.

Graduates will be able to enter the primary agricultural workplace and establish a thriving career through hard work and commitment.

METHODOLOGY

The National Diploma in Plant Production with a Specialisation in Viticulture is presented as an exciting blended learning programme. This is done through attending class sessions, doing self-study, reading and the submission of assignments.

This is a participatory learning programme, where the student will also be able to communicate with fellow students across the country via, Agri-social, our social media platform. This platform allows for

questions to be discussed, and the opportunity to upload and share interesting articles, images, and videos.

Throughout the academic year, lecturers will be available on the Agri-social platform. They are also readily accessible via email, SMS, WhatsApp or direct telephonic contact.

Theoretical studies are completed through the Agri-learn platform and the student is provided with a practical logbook to achieve practical competencies and experiences in the student's workplace. Where needed, students will be assisted towards practical competence through our work placement programme.

ACADEMIC FEES

The following academic fees are applicable for 2024/2025.

Full Residential Students

Full Residential Students are students who apply and are admitted to study full-time at the VAMF and who live full-time in the student residence and participate in all academic, cultural, social and sporting events offered by the academy.

Year 1 (2023/24) R 150 000.00	Year 2 (2024/25) R 155 000.00
The Annual fee includes: <ul style="list-style-type: none"> • Accommodation in either the male- or female hostel • 3 meals per day • Wi-Fi for academic studies • Student fees • Learning material • Practical / Field visits 	

Day students

Day students are students who apply and are allowed to study full-time at the VAMF and who live elsewhere off campus in their own accommodation but still participate in all academic, cultural, social and sporting events that the academy offers.

Year 1 (2023/24) R 90 000.00	Year 2 (2024/25) R 95 000.00
The Annual fee includes: <ul style="list-style-type: none"> • Wi-Fi for academic studies • Student fees • Learning material • Practical / Field visits 	

E-Learning Students

e-Learning Students are students who apply and are admitted to study full-time or part-time at the VAMF and who reside elsewhere in South Africa and therefore do not participate in any cultural, social and sporting events offered by the academy. These students must however attend practical training and assessment when arranged by VAMF at their own additional cost of traveling and accommodation.

Year 1 (2023/24) R 80 000.00	Year 2 (2024/25) R 85 000.00
The Annual fee includes: <ul style="list-style-type: none">• Student fees• Learning material• Compulsory Practical Assessment	

ALTERNATIVE PAYMENT ARRANGEMENT

If you are not in a financial position to pay the full quarterly amount, you may apply in writing for the payment of modules on a monthly instalment basis. Please direct your application to The Financial Director, finance@vamf.co.za

WHY THE VINE ACADEMY?

- Courses are SAQA accredited through the International Agricultural Academy for Africa
- World-class lecturers and affiliated academics
- Custom-designed Campus that includes full-time residential studies, as well as e-learning modules and an online encyclopaedia for lifelong support

TO FIND OUT MORE

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