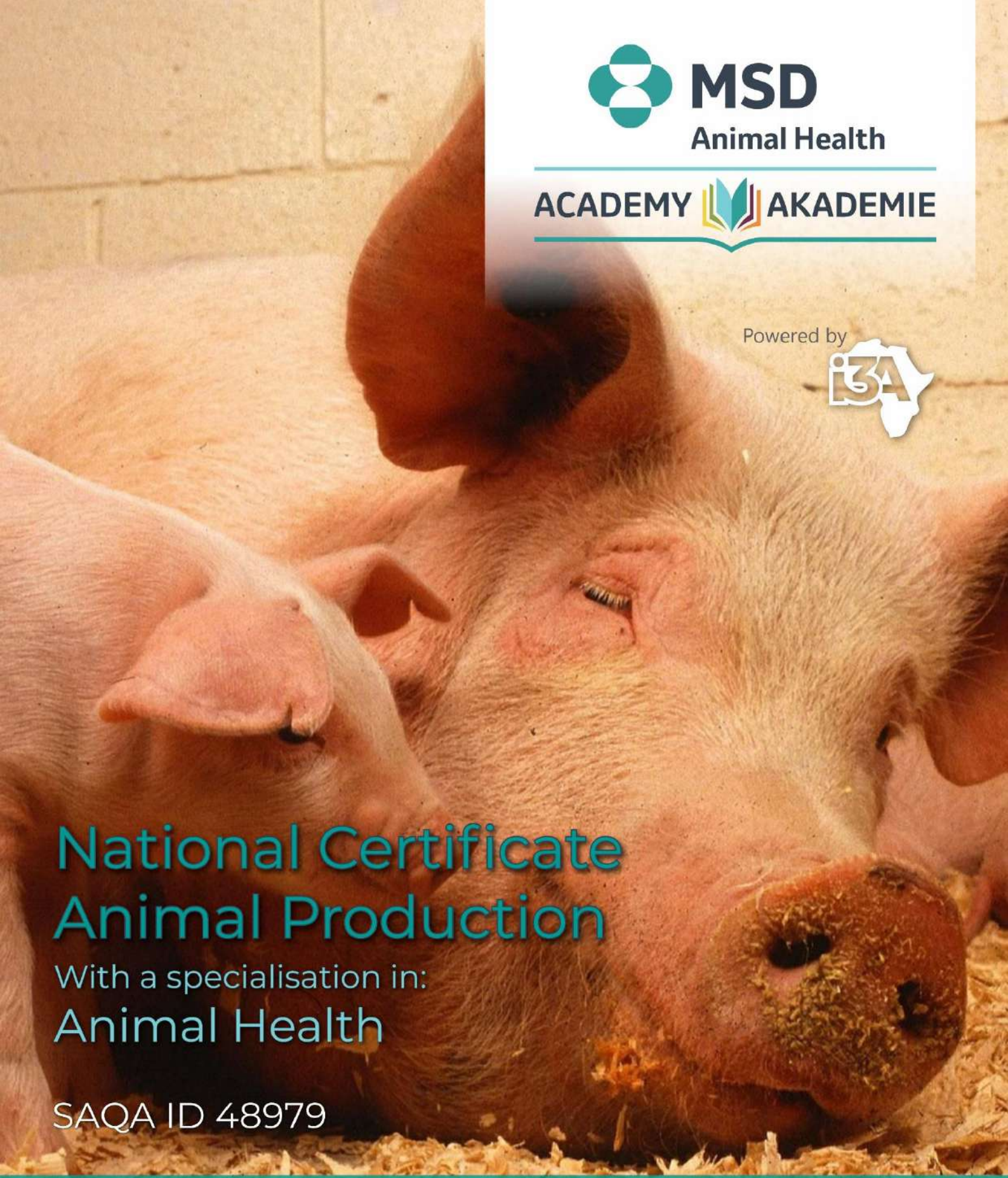

MSD Animal Health

ACADEMY AKADEMIE

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National Certificate Animal Production

With a specialisation in:

Animal Health

SAQA ID 48979

STUDY PROSPECTUS 2023

NATIONAL CERTIFICATE ANIMAL PRODUCTION

With a specialisation in Animal Health

COURSE OVERVIEW

National Certificate: Animal Production with a specialisation in Animal Health NQF 4, 142 Credits

The National Certificate in Animal Production with a specialisation in Animal Health is an academic online programme supported by practical hands-on modules, developed for the sub-Saharan Africa Livestock Industry.

The qualification focuses on the Supervision of Operational Animal Health and Biosecurity within the framework of the sciences of animal biology, nature conservation, regenerative production, agricultural economics and strategic and business management, supported by fundamental knowledge of the application of basic computer skills, communication, applied mathematics, agricultural engineering technology and chemistry & physics.

The one-year National Certificate in Animal Production with a specialisation in Animal Health will enable qualifying students to actively enter, participate and gain knowledge in the MSD Livestock Health Industry.

Students will gain opportunities to access the Livestock Health Industry on Local, National and International levels.

Specific competency will be obtained in Livestock Diseases, Farm Biosecurity, prevention and treatment of diseases in livestock, with specialist knowledge of MSD Animal Health Products, based on the scientific knowledge and technical application of bacteriology, virology, protozoology, parasitology, toxicology, metabolic diseases, pharmacology, biosecurity, injuries and wound treatment.

On completion, students will be well positioned to extend learning and practice into other sub-fields such as animal production, crop production, mixed farming and farm management through upskilling to the National Diploma in Animal Production with a specialisation in Animal Health, on NQF level 5.

WHAT YOU STUDY

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. Animal Science I (ANIM114)
8. Animal Health & Biosecurity I (MSDH114)

Semester 2

1. Communication Skills II (COMM124)
2. Agri Engineering Technology (ENGI124)
3. Agricultural Management & Economics I (AGMA124)
4. Animal Science I (ANIM124)
5. Animal Health & Biosecurity I (MSDH124)

ADMISSION REQUIREMENTS

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

- Communication at NQF Level 2
- Mathematical Literacy at NQF Level 2
- Agricultural activities at NQF 3

CURRICULUM LAYOUT

First Semester:

Introductory Modules

- 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 literary 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
- Ecological Principles

Module 5: Agricultural Management & Economics I (AGMA114)

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

Module 6: Animal Sciences I (ANIM114)

- Classification & Nomenclature
- Genetics & Breeding
- Anatomy & Physiology

Module 7: Animal Health & Biosecurity I (MSDH114)

- Introduction to Animal Diseases
- Bacteriology
- Virology
- Protozoology
- Parasitology

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: Animal Science I (ANIM124)

- Animal Nutrition
- Predation Management

Module 5: Animal Health & Biosecurity I (MSDH124)

- Injuries & Wound Treatment
- Toxicology (Poisonings): Prevention and Treatment
- Metabolic & Nutritional Deficiency Diseases in Farm Animals
- Introduction to Veterinary Pharmacology
- Biosecurity on the Farm
- A Good Farm Health Plan

SKILLS AND JOB OPPORTUNITIES

You will develop, over the tenure of your studies, a critical understanding of the MSD Animal Health Industry in Africa in the modern era and working in a global economy. You will gain practical and relevant skills that will enable you to work in the Livestock Health and Biosecurity production sectors in sub-Saharan Africa.

The academic content is based on and supported by the latest MSD Animal Health Industry developments, products and best practices that will allow you to participate meaningfully in Livestock Health Management.

Graduates will be able to enter the primary Livestock Health Industry and establish a thriving career through hard work and commitment.

METHODOLOGY

This 1-year National Certificate with a specialisation in Animal Health is presented as an exciting, blended offering through e-learn, online video conferences, and formal compulsory contact sessions on practical training offered by i3A and MSD Veterinarians, Pharmacologists and Product specialists.

This is done through self-study, reading and the online submission of assignments. Assessment is done through formative and summative assignments.

This is a participatory learning programme, where the student will also be able to communicate with fellow students across southern Africa 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.

Throughout the academic year, lecturers will be readily available and accessible through online video conference media, e-mail and social media technology.

Theoretical studies are completed through our online MSD Agri-learn platform and the student is provided with a practical logbook to achieve practical competencies and experiences through 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 2023.

Methods of payment:	Year 1 (2023): R 28 000
At registration:	R 2 000
After registration: 50% deposit	R 13 000
At the start of the second term: (outstanding balance)	R 13 000
10 Monthly Debit Order arrangement (R 2 000 registration still applicable)	R 2 750

***Note:** The cost of travelling, meals and accommodation for practical contact sessions will be at an additional cost to the student.*

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, admin@i3a.co.za.

WHY i3A/ MSD Animal Health Academy?

- Courses are SAQA accredited.
- World-class lectures and affiliated academics.
- Custom-designed online MSD Campus that includes e-learning modules and an online encyclopaedia for lifelong support.

TO FIND OUT MORE

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