



agriculture,  
forestry & fisheries

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

# SKILLS PROGRAMMES

(SHORT COURSES) IN AQUACULTURE  
PROVIDED IN SOUTH AFRICA



# Table of Contents

<b>BACKGROUND:</b>	1
<b>1. GAUTENG PROVINCE</b>	2
1.1. ICHTHYS AQUAPONICS	2
COMMERCIAL AQUAPONICS TRAINING – JOHANNESBURG (12 DAYS)	3
1.2. AGRICULTURAL RESEARCH COUNCIL	4
1.3. MY AQUAPONICS	5
1.4. DAVID FINCHAM AQUACULTURE	5
1.5. TWOLINE TRAINING SKILLS FOR AFRICA	6
1.6. KLEINSKUUR AQUAPONICS INTRODUCTORY COURSE	8
1.7. AQUACULTURE INNOVATIONS	10
1.8. MK ENTERPRISE	10
1.9. LA PIEUS AQUA TRAINING AND EDUCATIONAL FACILITY	11
<b>2. MPUMALANGA PROVINCE</b>	13
2.1. TWOLINE TRAINING SKILLS FOR AFRICA	13
<b>3. EASTERN CAPE PROVINCE</b>	13
3.1. PRACTICAL AQUAPONICS	13
3.2. AQUACULTURE INNOVATIONS	15
3.3. RHODES UNIVERSITY	17
3.4. MATOTOMANA TRAINING AND GENERAL TRADING	19
3.5. RIVENDELL HATCHERY	21
3.6. TWOLINE TRAINING SKILLS FOR AFRICA	22
3.7. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)	22
<b>4. FREE STATE PROVINCE</b>	23
4.1. AGRICULTURAL TECHNOLOGY DEMONSTRATION CENTRE	23
4.2. GLEN AGRICULTURAL TRAINING INSTITUTE	25

4.3. MK ENTERPRISE	26
4.4. TWOLINE TRAINING SKILLS FOR AFRICA	26
<b>5. KWA-ZULU NATAL PROVINCE:</b>	27
5.1. NOSA AGRICULTURAL SERVICE	28
5.2 TWOLINETRAININGSKILLSFORAFRICA	29
5.3. MATOTOMANA TRAINING AND GENERAL TRADING	29
<b>6. NORTHERN CAPE PROVINCE</b>	29
6.1. TWOLINE TRAINING SKILLS FOR AFRICA	30
6.2. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)	30
<b>7. NORTH WEST PROVINCE</b>	30
7.1. MK ENTERPRISES	30
7.2. TWOLINE TRAINING SKILLS FOR AFRICA	30
<b>8. WESTERN CAPE PROVINCE</b>	31
8.1. FRESH LIFE PRODUCE (PTY) LTD	31
8.2. WESTERN CAPE INVESTMENT AND TRADE AND PROMOTION AGENCY (WESGRO)	31
8.3. SOUND INTERAXIONS	33
8.4. AGRI ACADEMY	34
8.5. UNIVERSITY OF STELLENBOSCH	36
8.6. PHEZUKOMKHONO TRAINING SERVICES	37
8.7 TWOLINETRAININGSKILLSFORAFRICA	37
8.8. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)	37
<b>9. LIMPOPO PROVINCE</b>	38
9.1. TWOLINE TRAINING SKILLS FOR AFRICA	38
9.2. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)	39
<b>10. AGRISETA</b>	39

## BACKGROUND:

During Operation Phakisa, the various aquaculture stakeholders committed to ambitious aspirations in terms of job creation, production, Gross Domestic Product (GDP) contribution, improving livelihoods in rural communities and inclusivity. In order to reach these aspirations, 9 aquaculture Operation Phakisa initiatives were developed namely the implementation of catalyst projects, legislative reform, monitoring and certification, Inter-Departmental Authorisation Committee, Aquaculture Development Fund, capacity building and skills development, marketing efforts, preferential procurement and Aquaculture Development Zones.

In order to achieve the ambitious aspirations, it was acknowledged that it is imperative that skills requirement of for existing and future aquaculture sector is addressed. In order to oversee the skills initiatives, a skills working group was established to guide and oversee aquaculture skills development in South Africa.

One of the key challenges is information sharing and knowledge around aquaculture sector in general, including the availability of local training opportunities. The Department of Agriculture, Forestry and Fisheries publishes career booklets annually which includes various diploma and degrees available related to aquaculture. However, this does not include short skills and programmes which is therefore included in this brochure.

This brochure therefore provides a guideline in terms of short skills programmes currently provided for aquaculture.

### **Proviso:**

- The brochure provides the information on all known skills programmes available but these programmes have not been accredited or vetted by the DAFF. For accreditation, please ask for AGRISETA accreditation.
- Prices quoted may have changed and were quoted as indicated in 2018.
- University degree opportunities are provided in the DAFF career booklet (Careers in Fisheries pg.26-34)

# 1. GAUTENG PROVINCE

## 1.1. ICHTHYS AQUAPONICS

### Contact Details:

- Office: 010 065 0776 / 081 0095368
- <https://www.ichthysaquaponics.co.za/>
- Email: Info@ichthys.co.za

Ichthys Aquaponics is a commercial aquaponics farm located in Midrand and has a tilapia and trout hatchery, seedling facility as well as one acre of aquaponics. Ichthys offers a number of training courses ranging from 1 day (introduction) to 12 days (commercial).

### TRAINING COURSE:

The entity offers a 1 day introduction to Aquaponics course, a 3 day advanced course and a 12 day commercial course, all held onsite, at the farm.

### INTRODUCTION TO PRACTICAL AQUAPONICS COURSE- JOHANNESBURG (1 DAY)

The participants are grouped into 20 people. The following is covered:

- History and benefits of aquaponics
- Detailed system design and ratios of bed types
- Types of systems, including advantages and disadvantages
- How to calculate required water flow, tank size and required grow bed size
- Types of fish best suited, and how to obtain permits
- Why the company likes the tilapia rendalli
- Choosing the right plants for your fish
- Detailed system design
- Breeding, feeding, filtration and disease
- Understanding effects of PH, temperature, ammonia, nitrates and nitrites
- Understanding the nitrogen cycle and how to start-up a new system
- Law in South Africa regarding aquaculture
- Business case formulation and profit forecasting
- Organic pest control and fertilizer
- Active demo of their commercial aquaponics farm

The cost of the course is R900.00

## **ADVANCED AQUAPONICS COURSE – JOHANNESBURG (3 DAYS):**

Mastering the core elements of advanced design, hands on practicals and developing an operational blueprint are some of the topics covered. Highlight of the course will be constructing from scratch a mini commercial and scalable aquaponics system under the expert guidance. If the participant has already completed the introduction to aquaponics course, then they only need to attend the 2nd and 3rd days.

Cost of the course: R2, 400.00 – R3, 100.00

## **COMMERCIAL AQUAPONICS TRAINING – JOHANNESBURG (12 DAYS)**

The Commercial Aquaponics training course is the most comprehensive and hands on training course and is designed for farmers that want to go commercial. By the end of the first of two weeks, the participant will be required to fully operate and run one of the aquaponics systems at Ichthys farm. The focus on the second week will be to develop the skills required to successfully operate and run a system using operational best practices developed over 14 years at Ichthys Farm. It includes the principles of good system design that are critical for a successful operation.

The participant will in addition learn how to manage a system as an independent business owner; managing budgets, financial statements and tunnel performance metrics to name a few. The aim of the course is to simulate the business and operational environment the candidate will experience when he start up his own facility. The course is strictly limited to only 5 candidates for the full duration of the course and on most days will start at 6am in the morning.

Course is ideal for both owners and supervisors and is limited to only 5 people.

Cost: R20, 000

## 1.2. AGRICULTURAL RESEARCH COUNCIL

### Contact Details:

- Website: [www.arc.agric.za](http://www.arc.agric.za)
- Coordinator: Ms. Mpho Makhanya
- Email address: [makhanyam@arc.agric.za](mailto:makhanyam@arc.agric.za)
- Coordinator contact: 012 672 9111/ 9153

The Agricultural Research Council aims to enhance aquaculture through research, development and technology transfer by building a sustainable aquaculture community in partnership with all stakeholder including producers, processors, communities, universities, and public agencies.

### COURSE DESCRIPTION AND OUTLINE (5 days)

To provide training on basic principles of aquaculture

- Breeding
- Fish biology
- Nutrition
- Health Management
- Farming and production systems
- Economics and Marketing
- Water quality management
- Harvesting

### WHO SHOULD ATTEND?

Extension personnel, NGO's, beginner farmers, community groups

### DELIVERY MODE:

Presentation, Practical

### LOCATION

ARC-Animal Production– Irene

### SCHEDULED DATES

On Request

### BOOKS/ MANUALS:

Aquaculture manual

### COURSE DURATION:

Five (5) days

### 1.3. MY AQUAPONICS

**Contact details:**

- Cell phone number: 083 2265599
- Website: [www.myaquaponics.co.za](http://www.myaquaponics.co.za)
- Email: [sales@myaquaponics.co.za](mailto:sales@myaquaponics.co.za)
- Venue: Valverde Country Hotel, Lanseria/Cradle, Gauteng, South Africa,
- Website for the hotel: <http://valverde.co.za>

### INTRODUCTION TO AQUAPONICS WORKSHOP

The workshop is an introduction to aquaponics and will cover subjects such as the nitrogen cycle, the fish (and what they eat), the plants, the grow media for the plants, bio filtration and the different types of systems that can be used.

**Covered in the aquaponics training workshop:**

- Introduction to aquaponics
  - Nitrogen cycle, aerobic and anaerobic bacteria and their uses in aquaponics.
  - Sizing and proportions of aquaponics systems.
  - Happy fish environment (water quality, temperature and testing)
  - The gear: tanks, planters, pumps and piping, siphon and timers, backup equipment and heating. The building and making of an aquaponics system (practical)
- Tickets costs R1 400 per person.

### 1.4. DAVID FINCHAM AQUACULTURE

**Contact details:**

- Telephone number: +27 (0) 11 431 1237
- Cell phone number: +27 (0) 82 048 3382
- Website: <https://www.tilapiafarming.co.za>
- Fax: 086 689 4009 (RSA only)
- Email: [davidfincham@mweb.co.za](mailto:davidfincham@mweb.co.za)
- Address: PO Box 5245,  
Cresta,  
Gauteng,  
2118.



David Fincham Aquaculture offers workshops to new and existing clients. The workshops can be held at the farm in Muldersdrift or at the farmer's premises and either as a one on one session or in group session depending on the client's needs. The entity runs sessions for students, government departments and farming groups. The training cost is R6 000 for 4 days training from 9am to 4pm every day and includes a 10 module manual.

### **The training course will cover amongst other things:**

- Water quality
- Details on the tilapia species
- Working on the farm to see how the systems work
- Marketing
- The business side – feed, labour, costs
- The trainee will undergo a harvest on the farm
- The trainee will be shown how to install an aquaculture production system if interested in purchasing one.

The trainee will receive a participation certificate at the end. A light lunch is served each day along with snacks and refreshments all day.

## **1.5. TWOLINE TRAINING SKILLS FOR AFRICA**

### **Contact Details:**

- Tel: 27(0)12 379 4920
- Fax: 012 379 4920
- Johan: 27(0)82 770 4262 / [johan@skillsafrica.co.za](mailto:johan@skillsafrica.co.za)
- Herman: 084 738 8509 / [herman@skillstech1.co.za](mailto:herman@skillstech1.co.za)
- Email: [sfaup@mweb.co.za](mailto:sfaup@mweb.co.za) / [isaac@skillsafrica.co.za](mailto:isaac@skillsafrica.co.za)
- Website: <http://skillsafrica.co.za/contact/>
- Address: 437 Ulundi Avenue  
Mountain View,  
Pretoria,  
0082.

Skills for Africa is a focused, accredited skills training company dedicated to the upliftment of previously disadvantaged rural and urban communities and the improvement of task level productivity in chosen industries.

The entities preference is to conduct training on-site. Skills for Africa training methodology and materials cater for literate and illiterate people and training is outcome based. Assessment of training is done against South African Qualifications Authority (SAQA) registered unit standards. Training material are reviewed, contextualized and improved on a regular basis to ensure that Skills for Africa clients remain at the vanguard of training technology.

## **WHAT SKILLS FOR AFRICA OFFERS:**

- Accredited skills training programs and learnerships that are tailor-made to the client's needs.
- Guaranteed productivity and quality improvements
- Certification of all learners that complete the training successfully
- Management appreciation of all training presented
- A computerised training database that significantly assists in the control of its training and development plan for every employee as well as an accurate record of training conducted in line with SAQA.

## **NATIONAL CERTIFICATE IN ANIMAL PRODUCTION (AQUACULTURE) - NQF LEVELS 1 TO 4 QUALIFICATIONS**

These courses outline the knowledge base that a prospective person will acquire to pursue a career in aquaculture.

1. Introduction to Aquaculture; The biology of the fish, water properties (water quality), water as a working media (water treatment), hatchery operation, fish production systems, fish health and diseases.
2. Disease prevention and treatment
3. Handling and transporting live fish; equipment, oxygen requirements, water regimes
4. Feeding and nutrition; identification of protein sources, feeding regimes
5. Forecasting stock growth and planning
6. Facility design and system planning
7. Equipment operation
8. Equipment maintenance skills
9. Emergency alarm response
10. Fish harvesting techniques
11. Personal hygiene requirements
12. Food safety issues and control

13. Facility cleaning and monitoring (biosecurity)
14. Developing standard operating procedures
15. Quality management programs
16. Record keeping
17. Business Operation – how to start a fish farming business, operation of a farming system within a hub/Cooperative, financial management issues, human resources issues, general management skills and Marketing.

## TRAINING OBJECTIVES:

The primary objective of any program should be to train individuals to become competent Aquaculture Technicians by developing the skills required, through instruction and practical on the job experience.

The training program would ideally be 16- 20 weeks in duration. Depending upon the objectives of a selected training program, there could be many possible variations of the above, in both content and duration.

## 1.6. KLEINSKUUR AQUAPONICS INTRODUCTORY COURSE

### Contact Details:

- Tel: 082-320-3642 / 012-802-0696
- Email: [annemarie@ksba.co.za](mailto:annemarie@ksba.co.za) / [colin@ksba.co.za](mailto:colin@ksba.co.za)
- Website: [www.ksba.co.za](http://www.ksba.co.za)
- Address: Plot 65,  
Kleinfontein Road, Donkerhoek,  
Rayton,  
1001

Kleinskuur Aquaponics offers a one-day introductory course on the principles of aquaponics, explaining how fish and vegetables can be grown in a closed, biological system. The course is presented on the last Saturday of every second month.

The course will teach the participant to understand how the different parts of an aquaponic system fit together to form a balanced eco-system. Furthermore the course will prove valuable to anyone who wants to erect a home system and also to those being interested in becoming involved in commercial aquaponics

The course, was approved by Stellenbosch University's aquaculture expert, Henk Stander and will be presented by Colin and Annemarie Bremner from Kleinskuur Aquaponics. An overview of what is need before the participant get started, will be given, including business principles and marketing. The participant can also see how everything works.

## Kleinskuur Aquaponics: Training programme

1. The principles of healthy living: What do humans, plants and fish need?
2. The basic building blocks: Aquaculture, hydroponics, bacteria
3. Aquaponics
  - a. How does everything fit together?
  - b. What should be considered before starting an aquaponics operation?
  - c. What should the ratio between fish and plants be?
  - d. What is cycling up?
4. Aquaponic systems
  - a. The home system
  - b. Commercial systems: What is out there in the world?
  - c. The Kleinskuur system: How does it work?
5. Systems in systems
  - a. Water and waterflow
  - b. Air and airflow
  - c. Bacteria: Good and bad
  - d. Power and power needs
  - e. Heating and cooling
  - f. Measure and monitor
  - g. Record keeping and production planning
6. Where do babies come from?
  - a. Seedlings
  - b. Fingerlings
7. Do you want to make money?
  - a. Finding and keeping your market
  - b. Packaging and presenting your produce
8. Role players and legal matters
9. Bonus: The wicking bed
10. Test your knowledge
11. Visit the system

**Venue:** Kleinskuur Aquaponics (20 km east of Pretoria, N4 -Cullinan/Rayton off-ramp - turn right/south - 800 m - turn right at the first road - 1,8 km - turn right at Die Boskombuis entrance. See their facebook page or [www.ksba.co.za](http://www.ksba.co.za) for Google map)

**How to book:** Pay R1 300 into: Kleinskuur Boerdery, FNB, Branch code: 250655, account number: 62569210885. E-mail your name, tel number and proof of payment to [sales@ksba.co.za](mailto:sales@ksba.co.za).

## 1.7. AQUACULTURE INNOVATIONS

Aquaculture Innovations also presents courses in Johannesburg. For details please see contact details below.

### Contact details:

- [www.aquaafrika.co.za](http://www.aquaafrika.co.za)
- [info@aquaafrika.co.za](mailto:info@aquaafrika.co.za)
- Telephone: 046 622 3690
- Postal: Aquaculture Innovations  
Postnet Suite 97  
Private Bag X1672  
Grahamstown  
6140

Details: Please refer to 3.2. AQUACULTURE INNOVATIONS

## 1.8. MK ENTERPRISE

### Contact details:

- Email: [mk.enterpprise@gmail.com](mailto:mk.enterpprise@gmail.com)
- Mobile: 063 161 5069
- Address: Portion 64  
Valleifontein  
Rooigrond  
Mahikeng  
2347

The company is involved in farming tilapia, plants and distribute fresh fish and plants products to various industries. MK Enterprises also offers aquaculture training, aquaculture system designs and construction and aquaculture consulting services.

### Course programme:

- Three days hands-on fish farming training course
- One day field training 'field trips to commercial farms and related enterprises are organised to bring important knowledge and perspectives to the courses.

The objective of the course is to offer basic understanding and knowledge on the overall view of the aquaculture sector, how to start aquaculture venture, the overall needs for fish to be alive and be profitable, opportunities and challenges.

## Course outline and description:

Introduction to Aquaculture, systems and operations.

Course content:

- Fish Biology and Physiology
- Water quality requirements for fish
- Fish Nutrition
- Fish health and diseases
- Production systems, and
- Marketing and processing

## Delivery mode:

Lecture and practical

## Who should attend?

New entrants/farmers to the field of aquaculture

## Entry requirements:

Interest in fish farming/aquaculture

Cost:

R3 500 per delegate. This fee includes the aquaculture course manual

## 1.9. LA PIEUS AQUA TRAINING AND EDUCATIONAL FACILITY

- Tel: 083 765 8343
- Email: [Info@lapieus.co.za](mailto:Info@lapieus.co.za) / [danier@lapieus.co.za](mailto:danier@lapieus.co.za)
- Website: [www.lapieusaqua.co.za](http://www.lapieusaqua.co.za)
- Address: 137 Geelslang way  
Kameelfontein Estates  
Kameelfontein  
Pretoria

La Pieus Aqua (Pty) Ltd is a full commercial aquaculture and aquaponics production facility. The entity mainly farms with *Oreochromis Mozambique's* (Tilapia) and *Clarias Gariepinus* (Sharp tooth Catfish).

## **COMMERCIAL AQUAPONICS (2 DAYS)**

This 2 day course takes interested parties through the theory of aquaponics and the components, to the daily tasks associated with operating a commercial or hobbyist system, with the primary focus of understanding the industry and commercial aspects.

## **COMMERCIAL AQUACULTURE (3 DAYS)**

This course is a comprehensive trip through the theory of aquaculture, from an overview of the global industry, through the infrastructure types, species being farmed, reproduction of fish, feeds & feeding, water quality management, fish health, economics and many other aspects pertinent to the investor considering this industry and needing information to justify and direct an investment decision.

## **TRAIN THE TRAINER - AQUAPONICS AND AQUACULTURE (3 DAYS)**

This 3 day course is a client focused course for training in either catfish or tilapia with the use of aquaponics. This is done by arrangement with clients who have staff that require training and special skills development. The course is more focused on practical.

## **LAPPIES – WORKSHOP (2-3 HOURS)**

This course is more focused on the Lappies modular unit and has especial been developed for Lappies users as well as NGO's, schools and the entities commercial clients who make use of this sustainable food production unit in Africa and South Africa. It contains introductory and practical information necessary to produce protein and vegetables in one system.

## **FISHIFY AND TECHNOLOGY USAGE (4-5 HOURS/ 1 DAY)**

This course is dedicated and focused on all the functions and use of the Fishify application for aquaculture and aquaponics farming. The software, the use of the application, the reports system and technology are explained in depth and various other technical concepts are discussed. This is an important course for the mentors of projects.

A new special course on Biosecurity will also be introduced in the course of 2019. All training registration and bookings for educational visits can be done via their website. La Pieus Aqua (Pty) Ltd facility can take up to 30 trainees at a time and they offer tea and lunch with every multi day course.

## 2. MPUMALANGA PROVINCE

### 2.1. TWOLINE TRAINING SKILLS FOR AFRICA

#### Contact Details

- Cell Phone: John Goodwin: 0824533866
- johan@skillsafrica.co.za
- Location: Amersfoort
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA.

## 3. EASTERN CAPE PROVINCE

### 3.1. PRACTICAL AQUAPONICS

#### Contact Details:

- Martin Fick
- Phone: +27 (83) 278 4201
- Website: <https://practicalaquaponics.co.za/training/>
- Email: [martin@practicalaquaponics.co.za](mailto:martin@practicalaquaponics.co.za)
- Office Address: Salem

Grahamstown,  
Eastern Cape,  
6140

#### PRACTICAL AQUAPONICS TRAINING:

Homegrown Practical Aquaponics offers practical aquaponics training courses to assist the client to achieve aquaponics goals. The company offers courses ranging from introductory aquaponics courses for beginners, courses aimed at the aspiring urban farmer, to courses aimed at those wanting to get into large scale aquaponics food production.

#### 1 DAY HOMEGROWN PRACTICAL AQUAPONICS HPA FUNDAMENTALS TRAINING:

The client can learn what aquaponics is all about and discover how to setup and maintain their own system

The course Cost is R850.00 incl. VAT per seat including the light version HPA manuals



## **2 DAY HPA INTERMEDIATE TRAINING:**

This 2-Day HPA Aquaponics course is specifically designed for those interested in smallscale or home use aquaponics, or those who are interested in the industry and would like to learn how to build their own systems and grow their enterprise to access niche markets. The objectives of the course are to enable a fundamental understanding of aquaponics, sound decision making at design, management and market stage of an enterprise. The objective is to provide the client with practical information that is not readily available on the internet.

The course material is designed with local conditions in mind and provides all the skills and knowledge required for a successful aquaponics system. Practical Aquaponics focus is on a continuous learning experience, to empower the client with a depth of understanding that will give the confidence to establish and grow their enterprise successfully with the minimum risk. The course is an engaging, comprehensive series of lectures and practical lessons on aquaponics fundamentals. The client will learn how aquaponics work, location considerations, system design fundamentals, fish and plant selection and care as well as starting and maintaining aquaponics system for optimal health and productivity. Practical sessions are spent in the various aquaponics systems at the HPA facilities to see first-hand how the classroom theory works in practice. A variety of hands-on activities are done including water quality testing and adjusting, fish feeding, handling, plant starting using cuttings, pruning, and harvesting.

The 2 Day Fundamentals course is R3500.00 and the full version of the HPA training manual with a 20% discount for an accompanying family member or senior citizen, as well as a 10% rebate on training costs offered to clients who purchase complete systems from Practical Aquaponics.

## **5 DAY COMPREHENSIVE AQUAPONICS TRAINING:**

The 5-Day HPA aquaponics course is specifically designed for those contemplating commercial aquaponics or those who are currently involved in the industry who would like to expand or grow their enterprise and access niche markets. The objectives of the course are to enable sound decision making at design, production, management and market stage of the business. The course is also ideal for lodge, restaurant, hotel, school, local community or establishment management where a commercial scale HPA unit is envisioned for the supply of fresh, chemical-free greens and fish for use within the scope of business.

The course is an engaging, comprehensive series of lectures and practical lessons on aquaponics essentials. The client will be exposed to how aquaponics work, location considerations, system design and optimisation fundamentals, fish and plant selection and care as well as starting and maintaining aquaponics system for optimal health and productivity.

Practical sessions are conducted in the various aquaponics systems at the HPA facilities to see first-hand how the classroom theory works in practice. Daily excursions to nearby HPA strategic partners and facilities that are operational are part of the course. A variety of hands-on activities including water quality testing and adjusting, fish feeding and handling, plant starting using cuttings, pruning, and harvesting.

The course ends with an optional 3 hour exam which facilitates certification. The mastery course is R6900.00. Unless specified the courses run from Practical Aquaponics headquarters in Salem in Grahamstown including the Comprehensive Training Manual with a 20% rebate on training costs offered to clients who purchase full systems from the entity.

## 3.2. AQUACULTURE INNOVATIONS

### Contact details:

- [www.aquaafrica.co.za](http://www.aquaafrica.co.za)
- [info@aquaafrica.co.za](mailto:info@aquaafrica.co.za)
- Telephone: +27 46 622 3690
- Postal: Aquaculture Innovations  
Postnet Suite 97  
Private Bag X1672  
Grahamstown  
6140

Aquaculture Innovations assists existing aquaculturalists as well as new entrants into the industry. They offer a range of services including training courses and consultancies in both aquaponics and fish farming.

## **AQUACULTURE TRAINING COURSES:**

The Aquaculture Academy in Grahamstown, South Africa, provides practical training, and is continuously expanding to cover new technologies and offer training in additional areas. The primary focus is on the practical components and disciplines that one needs to master in order to be a successful fish farmer or Aquaponist.

## **AQUACULTURE & AQUAPONICS COURSES OFFERED:**

- 3-day Aquaculture System Management Course (3 days theory - Pretoria)
- 2-day Commercial Aquaponics Course (2 day theory and practical- Pretoria and Grahamstown)
- 5-day Practical Aquaculture course (Grahamstown)

The academy also runs dedicated courses for clients on specific topics, with or without Sector Education and Training Authorities (SETA) accreditation. Courses are offered on condition that a minimum of 4 delegates must be secured otherwise the course may be postponed.

## **COMMERCIAL AQUAPONICS COURSE (2 DAYS THEORY AND PRACTICALPRETORIA)**

Delegates will be given the theory on aquaponics along with practical demonstrations.

## **AQUACULTURE SYSTEM MANAGEMENT (3 DAY THEORY- PRETORIA)**

The course is a fast paced introduction to running a fish farm. The course entails theory as well as conducting the corresponding practical exercises. The purpose of the course is to expose delegates to the disciplines involved in successful fish farm management from the perspective of the potential investor or farm manager, and thus includes a section on Fish Farm economics and a look at some stylised examples.

### 3.3. RHODES UNIVERSITY

#### Contact Details:

- Contact person: Ms Aviwe Petsha / Yvain Erasmus
- Phone: 046 603 8617/ 46-603-8415/6
- Fax: 046-603 8613
- Email: A.Petsha@ru.ac.za / difs@ru.ac.za

Rhodes University provides short courses in aquaculture on ad hoc basis, depending on the need and sometimes in partnership with other training providers. In addition, as part of their MBA they offer certificate in Sustainable Fisheries Management.

#### CERTIFICATE IN SUSTAINABLE FISHERIES MANAGEMENT:

This is a 4-day certificate course, aligned with the Rhodes Business School's MBA programme and it is aimed to provide professionals employed in government, NGOs and the private sector within the fishing or aquaculture sectors with a contextual understanding of the legal frameworks, governance, scientific and economic rationale underpinning effective ocean governance and sustainable fishery resources management (including aquaculture business planning). Participants will acquire knowledge to assist evidence- based policy development and reform, develop critical thinking, evaluation, interpretation and analysis skills, explore socio-economic impact and improve regulatory oversight, policy intervention or services delivery relating to ocean governance and sustainable fisheries development.

Delegates interested in obtaining this course as a credit towards their Rhodes University MBA degree, can do so provided they have completed and passed the required assessment tasks in accordance with the requirements.

#### NQF LEVEL:

This course is aligned with the National Qualifications Framework (NQF) level 8. A certificate of competence will be issued to delegates who pass the required assessment at this level. Letters of attendance will be issued to those who do not meet the competence requirements. To qualify this course for an MBA credit 1, all applicable assessments must be successfully complete.

## ENTRANCE REQUIREMENTS:

Hold at least a three year bachelor's degree or diploma from an approved university, technikon or other institution.

- Have a minimum of 3 years full-time relevant practical business, organisational or environmental consulting experience.
- Be proficient in English.
- Have sufficient computer skills, as this course runs as a paperless, electronic course only

## COURSE OUTCOMES:

At the end of the course participants will be able to:

- Understand the relevant legal, national and international frameworks dealing with sustainable fisheries management and ocean governance
- Appreciate the key foundational and advanced concepts and principles required for effective trans boundary fisheries policy management, and comprehend contemporary and contextual (African and South African) trends relevant to the industry;
- Understand technical methodologies and data collection and monitoring/surveillance mechanisms for assessing the status of fisheries including models and policy instruments for the management of fish stocks;
- Understand the fisheries, coastal zone, maritime conservation, livelihood rights, environment, regulation and legal aspects of governance as linked bio-economic and socio-ecological systems in which human behaviour management is an intrinsic component
- Develop a business case for responsible fisheries and aquaculture management
- Appreciate and develop related management risks and opportunities in this fisheries/aquaculture field

## **COURSE CONTENT:**

This is an MBA-aligned short course, therefore involves intensive sessions where participants will be expected to engage in critical dialogue and actively participate in class discussions and assessment tasks.

## **COURSE FEE:**

The fee for the course will be R8, 400.00 and full payment is required before commencement of the course. This fee includes registration costs and all course materials during the course.

## **VENUE:**

The course will be held at the Rhodes Business School, Grahamstown (Eastern Cape).

## **3.4. MATOTOMANA TRAINING AND GENERAL TRADING**

### **Contact details**

- Cell phone : 082 444 3109 / 081 051 9759
- Email: [scmolutoane@gmail.com](mailto:scmolutoane@gmail.com)/ [matotomana2@matotomana.com](mailto:matotomana2@matotomana.com)
- Address:
- Physical address: No 60 Tholang  
Maluti  
4740
- Postal address: P.O.Box 396  
Matatiele  
4740

Matotomana Training and General Trading is currently based in Matatiele and renders their services anywhere in the SADC (Southern African Developing Countries region). The companies' two main shareholders have numerous years of experience in agriculture, business management, health and safety. Matotomana Training and General Trading work closely with their clients to a complete program, whether it is training or consultancy. The core focus of Matotomana Training and General Trading is to develop practical workplace skills that are immediately usable. The entity has developed specifically tailored programmes that combine the elements required for successful agribusiness development and operations.

### **Consultancy**

Matotomana Training and General Trading, offers consultancy in agriculture both organic and inorganic farming. They provide assistance especially to emerging farmers;

## **Training**

The entity provides different trainings according to client needs focusing mainly on the needs of their learners as they conduct a pre-assessment before the training is designed.

Matotomana Training and General Trading provide training inter alia Agri- planner, capacity building, project management, financial management, business skills, agricultural technical skills, etc. The products and services of the business are tailored made in-house workshops, course and seminars. Training workshops are provided as per client's needs and requirements.

## **Business Development and Support (mentorship and coaching)**

The company offers support every quarter after training especially for skills training to ensure that whatever the learners are taught are able to carry out on their own. The support service has been designed with the aim of offering after care support which ensures the implementation of the products and services is learned during training sessions.

## **Aquaculture Management and Training**

Course programme:

- Three days hands-on fish farming training course
- One day field training 'field trips to commercial farms and related enterprises are organised to bring important knowledge and perspectives to the courses.

The objective of the course is to offer basic understanding and knowledge on the overall view of the aquaculture sector, how to start aquaculture venture, the overall needs for fish to be alive and be profitable, opportunities and challenges.

## Course outline and description:

Introduction to Aquaculture, systems and operations.

## Course content:

- Fish Biology and Physiology
- Water quality requirements for fish
- Fish Nutrition
- Fish health and diseases
- Production systems, and
- Marketing and processing

## Delivery mode:

Lecture and practical

## Who should attend?

New entrants/farmers to the field of aquaculture

Entry requirements:

Interest in fish farming/aquaculture

## SETA Accreditation:

This course is accredited by SETA

## Cost:

R3 500 per delegate. This fee includes the aquaculture course manual

## 3.5. RIVENDELL HATCHERY

### Contact details

- Cell: 082 575 9781
- Email: [nickjames@intekom.co.za](mailto:nickjames@intekom.co.za)
- Website: [www.rivendellhatchery.co.za](http://www.rivendellhatchery.co.za)
- Address: PO Box 6146  
Market Square  
Grahamstown  
6141



Rivendell Hatchery started in 1993 as a Lake Malawi cichlid hatchery for the ornamental fish trade. The owner, Mr. Nicholas James, has spent 37 years working with tilapia and has designed large commercial tilapia farms in Central and Southern Africa, including Botswana, Zambia, Burundi, Mozambique and South Africa, as well as consulting on rural aquaculture projects in Game Reserves and Community areas. The training offered at Rivendell reflects this diversity of activity and experience over the years, with emphasis on systems that work economically and in sync with the level of skills usually available.

A full 3-day course costs R9000.00 per person, with a discount for small groups attending. A day's course would cost R3000.00 for up to two people, and a morning discussion on technical matters costs R1500.00. Lunch is provided.

The course takes place at Rivendell and those partaking will get their hands wet with practical work in the hatchery, as part of instruction. The course is intensely practical, and concentrates on systems and operational designs that work viably.

### **3.6. TWOLINE TRAINING SKILLS FOR AFRICA**

#### **Contact details**

- John Goodwin
- Cell Phone: 0824533866
- johan@skillsafrica.co.za
- Location: Amersfoort
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA.

### **3.7. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)**

#### **Contact details:**

- Tel: 021 855 2848
- Fax: 021 855 3854
- Cell: 083 650 6252
- Website: [www.csaedu.co.za](http://www.csaedu.co.za)
- Email: [leonard@csaedu.co.za](mailto:leonard@csaedu.co.za)
- Address: 83 Helderberg College Road,  
Somerset West,  
7130

Details: Refer to section 8.8. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)

# 4. FREE STATE PROVINCE

## 4.1. AGRICULTURAL TECHNOLOGY DEMONSTRATION CENTRE

### Contact Details:

- LM Mbokane: Training co-ordinator
- Matlale.lucia@gmail.com
- Cell phone: 071 603 0279
- Ms Conchita Milburn: ATDC manager
- Email: apache77@webmail.co.za,
- Cell phone: 079 071 6855.
- Website: <https://www.daff.gov.za/daffweb3/Branches/Fisheries>

The China-South Africa Agricultural Technology Demonstration Centre (ATDC) is one of the Agricultural Technology Demonstration Centres aided by the Chinese Government during the Beijing Summit on Forum of China Africa Cooperation (FOCAC) in 2006. It is the first project in which the Chinese Government aided South Africa in the area of agriculture.

The ATDC project was jointly undertaken by the Chinese Government (Ministry of Commerce, MOFCOM), the South African Governments (Department of Agriculture, Forestry and Fisheries, DAFF) and the Free State Department of Agriculture and Rural Development (FS: DARD).

The formal conclusion of the partnership with the Chinese Government was in June 2017, giving the South African Government total control and ownership of the facility. The project is located in Free State province, Xhariep District, Kopanong local municipality, Gariep dam along the Orange River System.

The China-South Africa Agricultural Technology Demonstration Centre (ATDC) offers a 5 day courses for the public, scholars and officials.

Outline of course content:

**Day 1:**

- Background and Introduction to CSAATDC
- Introduction to Aquaculture in South Africa
- Fish Biology and Introduction of Species
- Stock management
- Practical's: Fish handling and Biology
- Pond Management practical

**Day 2:**

- Fish breeding and fry rearing
- Fish Diseases and Health Management
- Aquaculture Economics
- Aquaculture equipment
- Fish breeding practical 1( broodstock selection and injection of fish)
- Parasitology practical
- Fish Breeding practical 2 (striping of eggs)
- ATDC Tour

**Day 3:**

- Water Quality for Fish Farming
- Aquaculture Farming Systems
- Fish Nutrition
- Fish Agro Processing
- Water quality
- Fish packaging

**Day 4:**

- Fish transporting
- Fish Industry Environmental Legislative
- Hatchery management Practical
- Gariep Dam Tour

**Day 5:**

- Biosecurity
- Record keeping
- Recap

## 4.2. GLEN AGRICULTURAL TRAINING INSTITUTE

### Contact Details:

- <http://peusolutions.com/gac/contact-us/>
- Me. G.E. Utloa
- Registrar (HET)
- Tel No: 051 861 8316/ 0518618359
- Email: [mmuso@agric.fs.gov.za](mailto:mmuso@agric.fs.gov.za)
- Address: Main Building,  
Gielie Joubert Street,  
Bloemfontein,  
Mangaung,  
Urban  
9300

Glen College of Agriculture is a public institution of the Department of Agriculture and Rural Development complying with the National Qualification Framework of the South African Qualification Authority. The college was established in 1919 and today serves as a centre of excellence in agricultural training in the Free State Province, as well as national and internationally. Glen College focuses on higher and further education and training.

The centre for higher education and training is responsible for formal training of students. It offers a three year agricultural diploma qualification to students. The centre for further education and training provides and facilitate accredited and non-accredited training to farmers and farm workers. The curriculum of the further education band is need based and consists of short courses, learnership programmes, RPL and mentorship programmes.

Glen College provides ad-hoc informal training in partnership with the Xhariep Fish Hatchery(Section 4.1) and private training providers.

### 4.3. MK ENTERPRISE

**Contact details:**

- Email: mk.enterpprise@gmail.com
- Mobile: 063 161 5069
- Address: Portion 64  
Valleifontein  
Rooigrond  
Mahikeng  
2347

Refer to 1.8. MK ENTERPRISE above

### 4.4. TWOLINE TRAINING SKILLS FOR AFRICA

**Contact details:**

- John Goodwin
- Cell Phone: 0824533866
- johan@skillsafrica.co.za
- Location: Amersfoort
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA.

# 5. KWA-ZULU NATAL PROVINCE:

## 5.1. NOSA AGRICULTURAL SERVICE

### Contact details:

- NOSA Offices Pietermaritzburg
- David Bingham
- Tel: +27(87) 286 9298
- Cell: +27 (72) 011 0687
- Address: 318 Victoria Road, Pietermaritzburg
- Email: david.bingham@nosaagri.com
- Website: <https://www.nosaagri.co.za/>

### AGRISETA ACCREDITED QUALIFICATIONS:

NOSA Agri is accredited to provide the National Certificate in Animal Production and the National certificate in Plant Production on NQF Level 4. The duration of the course is 12 months.

### NQF Level 4:

Price per learner is R25 000.00 excluding VAT and assessment fees.

### PURPOSE AND RATIONALE OF THE QUALIFICATION:

The purpose of this qualification is to allow supervisors to progress towards a junior farm manager position with specific reference to animal production.

### THE CONTEXTUALISED PURPOSE AND USAGE OF THE QUALIFICATION IS AS FOLLOWS:

- A learner assessed against this qualification will have the necessary competence to manage supervisors and working teams, performing the agricultural processes as applicable to animal production in a range of animal production taking responsibility for the quality and quantity of outputs.
- The learner will be able to take complete responsibility for her/his own actions and also take responsibility for supervising others at lower levels within an animal production context under broad guidance and evaluation.
- Competency will be gained in any of the specialized sub-fields of Animal Production as specified under Areas Of Specialization (i.e. Small stock, Large Stock, Dairy Production, Aquaculture, etc.) with a strong focus on management.

- The learner will be able to take responsible decisions within a wide range based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills, all in an Animal Production context.
- The learner will be able to oversee the implementation of a wide range of procedures and will be able to ensure the relevant safety, quality, hygiene and technical standards as applicable within the industry.
- In addition to the above, the learner will be well positioned to extend learning and practice into other sub-fields such as Plant Production and Mixed Farming, since such efforts will only require additional learning within the elective scope of other qualifications at this level.
- The learner will be well positioned to progress towards higher levels of Management and Technical production practices as defined by qualifications at the next level.
- Learners will be enabled to actively participate in the primary agricultural sector through the production of quality agricultural products, enhancing the overall agricultural process and gain opportunities to access local, national and international agricultural markets.
- This qualification will allow qualifying learners to become economically active in farming practices that will have a direct impact on local economic development through the production of food, the improvement of household food security and access to mainstream agriculture.
- Finally, learners will be able to guide and direct others in terms of the planning, implementation and control of development projects within an Animal Production context.

## **LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING:**

- It is assumed that a learner entering a programme leading to this qualification has achieved numeracy, literacy and communication equivalent to NQF 2 and technical skills pertaining to agricultural activities equivalent to NQF 3.
- The learner will have contact sessions during the year and one visit from the assessor on the farm where the learner will be doing their practical
- Full details and dates will be communicated to the learner after enrolment

## **THE QUALIFICATION IS DIVIDED INTO 4 MODULES:**

- Module 1 - Farm Business Management
- Module 2 - Core Animal Studies
- Module 3 - Fundamental Studies
- Module 4 - Elective Animal Studies

## 5.2 TWOLINE TRAINING SKILLS FOR AFRICA

### Contact details:

- Kobus van der Merwe
- Cell phone: 082 896 1457
- Email: kobus@lunaconsulting.co.za
- Location: Richards bay
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA

## 5.3. MATOTOMANA TRAINING AND GENERAL TRADING

### Contact details:

- Cell phone: 082 444 3109 / 081 051 9759
- Email: scmolutsoane@gmail.com / matotomana2@matotomana.com
- Address:

Physical address

No 60 Tholang

Maluti

4740

Postal address

P.O.Box 396

Matatiele

4740

Details: Refer to 3.4. MATOTOMANA TRAINING AND GENERAL TRADING above.

# 6. NORTHERN CAPE PROVINCE

## 6.1. TWOLINE TRAINING SKILLS FOR AFRICA

### Contact Details:

- Land line: 054 332 1236
- Cell phone: 082 338 8743
- Email: info@brcapt.co.za
- Location: Upington
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to section 1.5. TWOLINE TRAINING SKILLS FOR AFRICA above.



## 6.2. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)

### Contact details

- Tel: +27 (21) 855 2848
- Fax: +27 (21) 855 3854
- Cell: +27 (083) 650 6252
- Website: [www.csaedu.co.za](http://www.csaedu.co.za)
- Address: 83 Helderberg College Road,  
Somerset West,  
7130

Details: Refer to 8.8. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA) below 7.

# 7. NORTH WEST PROVINCE

## 7.1. MK ENTERPRISES

### Contact details:

- Email: [mk.enterpprise@gmail.com](mailto:mk.enterpprise@gmail.com)
- Mobile: 063 161 5069
- Address: Portion 64  
Valleifontein  
Rooigrond  
Mahikeng  
2347

Details: Refer to 1.8. MK ENTERPRISE

## 7.5. TWOLINE TRAINING SKILLS FOR AFRICA

### Contact details

- Cell Phone: 0824533866
- [johan@skillsafrica.co.za](mailto:johan@skillsafrica.co.za)
- Location: Amersfoort
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA

## 8. WESTERN CAPE PROVINCE

### 8.1. FRESH LIFE PRODUCE (PTY) LTD

#### Contact Details:

- Cell phone number: 0794486744
- Website: <http://freshlifeproduce.co.za/>
- Address: Intaka Island Century City, Cape Town, Western Cape.
- Email: [info@freshlifeproduce.co.za](mailto:info@freshlifeproduce.co.za)

### INTRODUCTION TO AQUAPONICS & HYDROPONICS WORKSHOP

The course is a comprehensive course covering all the basics of sustainable food productions methods. There only 15 seats available per course.

Course content:

- Introduction
- Section A: Background and history
- Section B: Types of aquaponics systems and their parts
- Guided nature walks through Intaka Island Nature Reserve
- Section C: Getting your system started and plant nutrients
- Section D: Aquaponics rules of thumb and your herb arsenal

Cost per person is R499.00

### 8.2. WESTERN CAPE INVESTMENT AND TRADE AND PROMOTION AGENCY (WESGRO)

#### Contact Details:

- Website: [vuyo@wesgro.co.za](mailto:vuyo@wesgro.co.za)
- Tel: +27 21 487 8680
- E-mail: [eap-rsvp@wesgro.co.za](mailto:eap-rsvp@wesgro.co.za)
- Queries: [eap-rsvp@wesgro.co.za](mailto:eap-rsvp@wesgro.co.za)

### WESGRO EXPORT ADVANCEMENT PROGRAMME:

Wesgro's Export Advancement and Promotion (EAP) programme is designed to provide companies with the necessary tools and technical assistance to build the competitive capacity and allow entry or expansion into key international markets, stimulate job creation, and promote broader participation of Small, Medium and Micro Enterprise Enterprises (SMMEs) to the economy and to broaden the export base. Export Advancement Programme (EAP) aim to reach a wide spectrum of Western Cape companies that exhibits high export growth potential.

## **1. EXPORT TRAINING:**

The Export training course combines theory with practical assignments based on the day-today operations businesses. The export training runs over 5 non-consecutive days of training and consists of the following modules:

- Module 1: Orientation to export
- Module 2: Preparing to export and developing an export marketing plan
- Module 3: Finance – methods of payment
- Module 4: Cost and logistics
- Module 5: Incoterms 2010

The aim of the WESGRO is to increase the competitiveness of the companies in the international market upon completion of this intervention.

## **QUALIFYING CRITERIA:**

Western Cape companies that have footprint in the local market and offering a product or service.

## **2. EXPORT MENTORSHIP:**

Mentorship programme consists of two elements and only after completing the Export Training companies could sign-up for:

### **ONE-ON-ONE EXPORT SPECIFIC MENTORSHIP**

The One-on-One Export Specific Mentorship is implemented after the completion of the export training course. The basic criterion is the successful completion and submission of the set assignments during the course. A basic assessment of the current export processes will be conducted and a joint agreement pertaining to the implementation of practical export processes will be developed. Specific goals are set that are linked to a timeframe and will be achieved by providing exporters with practical guidance in order to implement the set goals to become export ready or to improve their exports and to be more competitive in the international markets. Practical guidance will be provided to participants to implement the agreed goals. These will be follow-up and signed off after implementation.

## BUSINESS IMPROVEMENT MENTORSHIP (PUM)

PUM is a Dutch based program that runs a mentorship program in developing countries for SME's addressing specific business needs. The mentorship program runs over a maximum period of two weeks. Wesgro facilitates the engagement of the PUM mentors with Western Cape exporters. The mentors work with the exporters in developing certain business areas that needs improvement as identified by the SME. The skills transferred by the mentors are tailored to the exporter's requirements which are enhanced by the PUM mentors extensive global experience. PUM provides this as an independent service with no commercial links.

The training is targeting established businesses with exciting and unique products working with sales and export related tasks within the Western Cape.

The Export Advancement Programme is a vocational training tool in international trade designed to build export competence within companies globally. This programme provides the expertise; knowledge and network needed to help businesses grow internationally and offers a blend of company practice, export coaching in local seminars in standardised training modules.

The series of workshops comprise of five full days and one half day module on completion, which will enable the participant to increase their competitiveness in the international arena.

The participant will be given the tools to implement sound strategies in their respective businesses that will help them exploit international market opportunities and combat threats in the local market.

To benefit from this valuable opportunity the interested person must have a product or service that they are currently supplying to the domestic market; have been in business for about two years and have a reasonable turnover and be a registered business.

## 8.3. SOUND INTERAXIONS

### Contact Details:

- Contact: Dr Lizeth Botes
- Cell phone: 0832303204
- Website: <https://www.soundinteraxions.co.za/>
- Email: [Lizeth@soundinteraxions.co.za](mailto:Lizeth@soundinteraxions.co.za)

Sound Interaxions holds accreditation for animal production Level 1 and 2. Generally training is conducted on the farm or location of choice.

## ACCREDITED TRAINING:

As the learner progress, accreditation is issued by Sound Interaxions with a list of the AgriSETA Animal production (with focus on aquaculture) unit standards obtained. Once the full NQF level 1 and/or 2 is completed the learner is issued with a full qualification certificate directly from the AgriSETA.

## NON – ACCREDITED TRAINING:

An attendance certificate is issued with a list of modules attended in either/or:

- Aquaculture Skills
- Money Management Skills
- Self-Management Skills

## 8.4. AGRI ACADEMY

### Contact Details:

- Tel: 021 880 1277
- Fax: 021 880 1274
- Email: [office@agriacademy.co.za](mailto:office@agriacademy.co.za)
- Website: <http://www.agriacademy.co.za/>
- Address: PO Box 11010,  
Jamestown,  
Stellenbosch,  
7614.

The South African Agri Academy (SAAA) is a non-profit company, providing training, capacity building, cluster development, business advice/coaching, strategic market linkages to the small holder farmers in the agricultural sector.

The purpose of cluster development is to enable small holder farmers to benefit from aggregation. Small holder farmers operating in a group can also benefit from economies of scale.

## MDP - MARKET ACCESS DEVELOPMENT PROGRAMME:

The Market Development Program expands on market access requirements for farmers, giving an introduction of market trends and the role of food safety in agricultural products.

The Market Development Programme of Agri Academy is divided into three sections to address skills needed for running a successful agricultural business. MDP1 is accredited under the AgriSETA unit standard namely, Implement a food safety and quality management system in the agricultural supply chain.

This incorporates the following topics:

- Consumer trends
- Market access and Food safety
- Quality problems
- GLOBAL G.A.P
- Local G.A.P
- Good Agricultural Practices and Standard Operating Procedures
- Record-keeping

MDP2 is accredited under the AgriSETA unit standard namely, participate in the development and management of an agricultural marketing plan.

The following topics are addressed during this course:

- Basics of Business and Marketing Plan
- Value chain
- Basics of Marketing
- Risk plan and Monitoring in a Marketing Plan
- Action Plan and Monitoring

MDP3 is accredited under two AgriSETA unit standards namely, use communication skills to handle and resolve conflict in the workplace and illustrate and understand the basic layout of financial statements

The following topics are included:

- Conflict management
- Cultural differences
- Communication
- Conflict resolution
- Negotiation skills
- Basics of finance
- Financial plan
- Cash Flow statements
- Legal responsibility of farmer

Included in these courses are e-learning topics from the HP LIFE programme. HP Learning Initiative for Entrepreneurs (HP LIFE) is a global program that trains students, entrepreneurs, and small business owners. Improving IT and business skills to start or grow businesses and create jobs. It consists of face-to-face training, tools and e-learning programs. There are 20 face-to-face training modules and the e-learning programs have grown to 25 modules.

## 8.5. UNIVERSITY OF STELLENBOSCH

### Contact Details:

- Website: <http://www0.sun.ac.za/aquaculture/>
- Division of Aquaculture, Faculty of Agrisciences, Stellenbosch University
- Private Bag X 1, Matieland, 7602
- Tel: 021 808 3770
- Fax 021 808 5833
- Email: [Lorette@sun.ac.za](mailto:Lorette@sun.ac.za)

Various Short courses and workshops on different aquaculture topics are presented from time to time during the year as training and skills development initiatives. These short courses and workshops are presented on different training levels as required.

**CERTIFICATE COURSE** (Presented in Distance Education format)

- Entry qualification requirements: national senior certificate Grade 12 (matric certificate) or equivalent.
- Duration of course: 9 months residential or distance learning.
- Course content: 6 modules.
- Modules:
  - Applied Biology of Aquaculture Species
  - Nutrition and Feeding of Aquaculture Species
  - Water Ecology: Monitoring and Management
  - Production Systems: Design and Management
  - Processing and Product Development
  - Fish disease and Fish Health Management

## 8.6. PHEZUKOMKHONO TRAINING SERVICES

### Contact Details

- Telephone(s): ( +2744 279 3288)
- Fax: (+2744 279 3285)
- Email: phezuwc@xsinet.co.za / raoul.pts@gmail.com
- Address:
- Physical Address: Baron Van Reede & Church Street  
Oudtshoorn  
6625
- Postal Address: 96A High Street,  
Oudtshoorn,  
6625
- Postal Address: P O Box 691  
Oudtshoorn  
6620

Phezukomkhono Training Services is accredited to provide various agricultural technical qualifications and have done previous aquaculture training in collaboration with other aquaculture specialists.

## 8.7 TWOLINE TRAINING SKILLS FOR AFRICA

### Contact details:

- Cell phone: 082 896 1457
- Email: kobus@lunaconsulting.co.za
- Location: Hermanus
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA

## 8.8. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)

### Contact details

- Tel: +27 (21) 855 2848
- Fax: +27 (21) 855 3854
- Cell: +27 (083) 650 6252
- Email: leonard@csaedu.co.za
- Website: [www.csaedu.co.za](http://www.csaedu.co.za)
- Address: 83 Helderberg College Road,  
Somerset West,  
7130



The College of Sustainable Agriculture (CSA) was established in 1996 in the Western Cape town of Somerset West. At the core of their offering is 21 years' experience in developing and implementing training programs on commercial farms. Within the National Qualifications Framework (NQF) lies the AgriSETA (Agricultural Sector Education & Training Authority). The head office of CSA is in Somerset West but they operate in Eastern Cape, Northern Cape and Limpopo however they do not have an address for provinces mentioned.

CSA's programs are designed to align within the NQF's Levels 1 to 4, and can be broadly described as focusing on four organizational levels of commercial agricultural business:

1. Skilled General Farm Worker (NQF 1 and 2)
2. Specialist (NQF 1 to 4)
3. Junior Management (NQF 3)
4. Senior Management (NQF 4)

CSA is registered for:

Plant Production NQF 1 – 4

Animal Production NQF 1-4

Mixed Farming NQF 1-2

Animal production is presented in subsets of:

Small livestock (sheep, goats)

Cattle (meat production)

Aquaculture (crayfish, abalone, oyster, salmon, trout and tilapia)

The College can break any of the qualifications into a skills program as required by the client. Furthermore CSA is busy developing material for Aquaculture Farmer to be accredited by the Quality Council for Trades and Occupations (QCTO).

## 9. LIMPOPO PROVINCE

### 9.1. TWOLINE TRAINING SKILLS FOR AFRICA

#### Contact details:

- Kobus van der Merwe
- Cell phone: 082 896 1457
- Email: [kobus@lunaconsulting.co.za](mailto:kobus@lunaconsulting.co.za)
- Location: Hermanus
- Website: <http://skillsafrica.co.za/contact/>

Details: Refer to 1.5. TWOLINE TRAINING SKILLS FOR AFRICA

## 9.2. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)

### Contact details

- Tel: +27 (21) 855 2848
- Fax: +27 (21) 855 3854
- Cell: +27 (083) 650 6252
- Website: [www.csaedu.co.za](http://www.csaedu.co.za)
- [leonard@csaedu.co.za](mailto:leonard@csaedu.co.za)
- Address: 83 Helderberg College Road,  
Somerset West,  
7130

Refer to 8.8. COLLEGE OF SUSTAINABLE AGRICULTURE (CSA)

## 10. AGRISETA

AgriSETA creates and promotes opportunities for social, economic and employment growth for agri-enterprises through relevant, quality and accessible education, training and development in both primary and secondary agriculture, in conjunction with other stakeholders in agriculture.

The scope of AgriSETA covers the agricultural sector from input services to the farm, activities on the farm and the first level processing activities from the farm.

In terms of the Skills Development Act, AgriSETA are responsible for the skills development of the agricultural workforce, employed and unemployed. The AgriSETA facilitates the implementation of learning through learnerships, Skills Programmes, Adult Education and Training, and tertiary studies or in-service training by allocating grants and bursaries. It also supports apprentices, interns and mentorships.

To ensure the quality provision of education and training, AgriSETA are also responsible for accrediting sector-specific training providers and for monitoring the standard of training presented.

Grants can be claimed for a company's skills development and training from AgriSETA through the submission of Workplace Skills Plans (WSP) and Annual Training Reports (ATR). Further information on the AgriSETA Skills Development Levy, registration and zwzwWSP/ATS submission process (where relevant) can be found at <http://www.AgriSETA.co.za>

It should be noted that submission of WSP and ATR's not only contribute towards Mandatory Grants (up to 20% of levies paid), they also go towards informing Skills Delivery and Planning interventions such as Scarce or Critical skills.

These Scarce and Critical skills then inform Discretionary Grant Interventions.  
([http://www.AgriSETA.co.za/downloads/Mailer\\_20170901.html](http://www.AgriSETA.co.za/downloads/Mailer_20170901.html))

Additionally, companies can register to take on learnerships which will become increasingly relevant as the new aquaculture qualifications are rolled out.

Please note: An employer is exempted from paying Skills Development levy if the total leviable amount of all its employees over the next 12 months are less than R500 000.00. Employers who are exempted from paying SDL are also exempted from submitting an Annual Training Report or Workplace skills plan (WSP). For more information on SDL exemption, please contact your closest SARS office.

For updated information, please refer to <http://www.AgriSETA.co.za/>

