A career in Aquaculture means that you are part of a team confronting a great challenge: feeding a growing world population and ensuring that everything that makes this planet special is preserved for future generations.

SUMMARY
Aquaculture, with its roots in the Faculty of AgriSciences at the Stellenbosch University, is strategically well-positioned to contribute towards the development of the South African Aquaculture sector through means of various disciplines such as Biochemistry, Economics, Genetics, Microbiology, Physiology, Nutrition, Zoology, etc. The University provides access to excellent facilities with regards to education, research and services. These include facilities on three experimental farms in Jonkershoek, Marienhald and Welgevallen, as well as various laboratory facilities on the central campus. Collaboration and linkages with overseas and local institutions further strengthen our Aquaculture network.

ENQUIRIES AND CONTACT INFORMATION
Department of Animal Sciences (Aquaculture)
Faculty of AgriSciences
Stellenbosch University
Private Bag X1, Matieland, 7602
Tel.: +27 (21) 808 4916 or +27 (21) 808 2031
Fax.: +27 (21) 808 4750
E-mail: Adele at ab@sun.ac.za
http://academic.sun.ac.za/Academic/Agric/Animal_Science/index.htm

4. Graduate Diploma Programme
A. Entry qualification requirements: BTech (Sciences), BSc (Sciences), BScAgric.
B. Duration of course: One year residential fulltime at Stellenbosch campus
C. Course content: Minimum of six Aquaculture modules
D. Modules:
   I. Aquaculture Production and Management Systems 1
   II. Aquaculture Review, Assessment and Project Development 1
   III. Aquaculture Production and Management Systems 2
   IV. Aquaculture Review, Assessment and Project Development 2
   V. Aquaculture Products
   VI. Aquaculture Ecology
   VII. Aquaculture Nutrition

5. Postgraduate Programmes
A. Entry qualification requirements: Aquaculture BScAgric for MSc or MScAgric for PhD or MSc for PhD
B. Duration of course: Normally two to four years
C. Course content: Research study with write up in Thesis or dissertation.
D. Content will vary in accordance to the specific field of study.
INTRODUCTION:

A career in Aquaculture means that you are part of a team confronting a great challenge: feeding a growing world population and ensuring that everything that makes this planet special is preserved for future generations. Aquaculture research and development is vital to meet the basic needs of billions of people, yet how can we achieve this without damaging our resources, and compromising the ability of future generations to meet their own needs? We need professionally skilled people who can understand the issues and offer leadership for the future and enhance Aquaculture development in Southern Africa.

STELLENBOSCH UNIVERSITY:

Aquaculture as a specialised discipline within Stellenbosch University was established in 1989 with the aim to contribute to the research and development of the Aquaculture sector of Southern Africa through high standards of education and training, innovative research, and efficient services. It functions in an interdisciplinary way through participation of various Departments from the Faculties of Natural and AgriSciences. The University possesses excellent facilities for all levels of training and educational programmes. This includes experimental and commercial facilities for a wide range of species including rainbow trout, tilapia, ornamental fish, abalone and marine finfish. It is also positioned in the centre of the Aquaculture sector of the Western Cape province which facilitates access to various other research and commercial institutions such as; Two Oceans Aquarium, the Sea Point Ocean to Ocean Research Aquarium, various abalone, trout, tilapia, crocodile and ornamental fish farms, as well as fish feed manufacturers. A number of educational and Aquaculture training programmes are offered which includes; Informal training, Distance Education Programmes, Under- and Postgraduate Programmes, and Postgraduate Diploma.

AQUACULTURE EDUCATION PROGRAMME OPTIONS:

1. **Aquaculture Short Courses and Workshops**

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 at different training levels.

2. **Certificate Course - Production & Management**

A. Entry qualification requirements: National Senior Certificate/Grade 12 (NSC) or equivalent.
B. Duration of course: 9 months residential or distance learning.
C. Course content: 6 modules.
D. Modules:
   I. Applied Biology of Aquaculture Species
   II. Nutrition and Feeding of Aquaculture Species
   III. Water Ecology: Monitoring and Management
   IV. Production Systems: Design and Management
   V. Processing and Product Development
   VI. Fish Disease and Fish Health Management

3. **Aquaculture Graduate Programs**

The undergraduate (bachelor’s) programme in Animal Production Systems with the focus on Aquaculture leads to the BScAgric (Animal Sciences) degree with Aquaculture.

A. Entry qualification requirements:
   - Have obtained a National Senior Certificate (NSC or school-leaving certificate from the Independent Examination Board) as certified by Umalusi.
   - Have achieved an aggregate of at least 4 (50-59%) in four subjects designated for university study (one should be either English or Afrikaans).
   - “Have written the National Benchmark Test (NBT) specified for the programme you wish to apply for.
   - Have achieved an aggregate of at least 60% for the ATs and NSC (excluding Life Orientation) or other school qualifications.
   - “English or Afrikaans (Home Language or third additional Language) 4 (50%).
   - “Mathematics 5 (60%).
   - “Physical Sciences (Physics and Chemistry) 4 (50%)
   - Also meet further requirements specific to the programme of your choice as set out in the programme outlines under the various faculties.
B. Duration of course: 4 years residential learning.
C. Course content: Full complement of Animal Sciences with two Aquaculture Modules.
   - Third year: Principles and practices of Aquaculture.
   - Fourth year: Aquaculture Management.