The South African Veterinary Council (SAVC) is established in terms of the Veterinary and Para-Veterinary Professions Act, 1982 (Act 19 of 1982) and only persons who are registered with the Council may practice as Animal Health Technicians in South Africa.

The position with regard to registration is as follows:

1. SOUTH AFRICAN QUALIFICATIONS

Persons holding the qualifications prescribed in the Act and Regulations are entitled to automatic registration with the Council on receipt of the requisite application form and fee. At present the qualifications are the National Diploma in Animal Health (UNISA), Diploma in Animal Health (North West University) and BSc Agric. (Animal Health) (North West University).

2. PERSONS WITH FOREIGN QUALIFICATIONS

Persons with qualifications from any other institution throughout the world are required to pass an examination prior to being registered in South Africa to practice the profession of a para-veterinarian in South Africa. This requirement must not be construed in any way as a comment on the standard or quality of other educational training but is purely related to the fact that no agreement of reciprocity exists between this Council and other bodies concerned.

Such persons shall submit an application to the Council for permission to enrol for the registration examination. Applications for permission to write must be received by this office on or before 1 April. If permission is granted, the applicant will be required to sit the examination during September of the same year in Pretoria or a venue to be advised. Please note that an examination is required unless the Council expressly decides otherwise. All applicants are required to submit certified copies of all educational certificates together with their application and to produce original copies of the said certificates for scrutiny on the first day of the examination prior to sitting the South African Veterinary Council registration examination.

Persons registered with other registering authorities are required to submit with their application a certificate of good standing issued within the previous three months by the relevant registering authorities. The South African Veterinary Council is the regulatory authority governing the registration of qualified persons and the conduct of the profession.

The Council is not in a position to render assistance with regard to the obtaining of employment in this country.

3. EXAMINATION FOR REGISTRATION AS AN ANIMAL HEALTH TECHNICIAN

GENERAL INFORMATION

1. Application to sit for the examination of the South African Veterinary Council must be made in writing and on the prescribed application form to:

   Exams: South African Veterinary Council
   874 Stanza Bopape (Church) Street, Lisdogan Park, Pretoria

   PO Box 40510, Arcadia, 0007, South Africa

   Tel: 0027 (012) 342 1612
   Fax: 0027 (012) 342 4354
2. Examinations are held annually in September at:
   The Faculty of Veterinary Science, University of Pretoria (UP), Onderstepoort OR
   The SAVC offices: currently 874 Stanza Bopape (Church) Street, Lisdogan Park, Pretoria
   (relocating around 8 May 2014 to Victoria Link 28, R21 Office Park, Nellmapius Drive, Irene) OR
   At a venue/s to be advised.

3. The closing date for enrolment is 1 April.

4. Late entries will NOT be considered (refer Rule 2.1 of the Rules).

5. Applications must be made on the application form and must be accompanied by the relevant documents as listed on
   the application form, checklist and in the Rules.

5.1 A non-refundable application fee and a non-refundable examination fee determined by the SA Veterinary Council is
   payable in South African currency. Cheques and/or postal orders must be crossed and made out in favour of the
   South African Veterinary Council. Proof of payment must be submitted to the SAVC Administration on
   exams@savc.org.za or fax: (012) 342 4354 – Attention: Exams with the application form and when candidates
   present themselves for examination. The non-refundable examination fee may be transferred once, on motivation, to
   the following year subject to the escalation of the fee in the following year (refer Rule 2.2 and 2.3 of the Rules).
   Payments must be made in full. No down payments will be accepted.

5.2 A clear passport photograph: The applicant should write his/her name on the back of the photograph and staple it to
   the front of the application form.

5.3 All applicants are required to submit certified copies of all educational certificates together with their application and to
   produce original copies of the said certificates for scrutiny on the first day of the examination prior to sitting the South
   African Veterinary Council registration examination (refer Rule 2.5 of the Rules).

5.4 A certificate of good standing (issued within the last three months by the veterinary authorities in the country in which
   the candidate has been registered as a veterinarian) should be submitted, OR in the absence of a professional
   Council/Board or registering authority, a certified reference from the faculty from where the applicant qualified should
   be submitted OR from the present employer.
   *If an application is transferred to the next year an updated certificate of good standing must be submitted
   (refer Rule 2.7 of the Rules).

5.5 A police clearance certificate issued within the last three months, from the authorities in the country where the
   applicant resided the preceding year/months should accompany the application. *If an application is transferred to the
   next year then a new updated police clearance certificate must be submitted (refer Rules 2.8 of the Rules).

6. All candidates who failed the examination twice are permitted to apply for an additional examination based on the
   criteria, that the candidate provides:
   • Additional proof that enhances the chances of passing an additional examination based on past performance;
   • Proof of further studies (continuing veterinary education courses) in the relevant areas wherein the person was
     previously deficient;
   • Other factors relevant to the candidate’s personal circumstances;
   • Information that at least two years lapsed between the second and third year or any follow up examinations in which
     the candidate prepared him/herself with further studies.

7. The examination consists of at least two parts:

7.1 A Computer Based Examination (CBE) consisting of two sessions which is of a general nature and which will test the
   candidate’s basic knowledge and understanding of specific and important South African conditions. Candidates will
   be given an opportunity before the actual examination to complete an unrelated computer based questionnaire
   (dummy run) to enable candidates to familiarise themselves with the CBE format.
7.2 A practical and an oral/practical examination conducted by a panel or panels of examiners appointed by the Council.

7.2.1 During the practical examination the candidate's proficiency in English and the applicant's professional attitude will figure prominently (refer Rule 2.12 of the Rules).

7.3 A sub-minimum of 50% in each of the two CBE sessions and a sub-minimum of 50% in the practical and oral/practical examination as well as an overall final combined mark of 50% is required to pass the examination and allow registration. Session one and two of the computer based examination will contribute equally to a mark for the CBE component. The final combined mark will be computed as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBE component</td>
<td>50%</td>
</tr>
<tr>
<td>Practical component</td>
<td>50%</td>
</tr>
</tbody>
</table>

(refer Rule 3.11 of the Rules)

8. Candidates must have a sound knowledge of the main laws relevant to veterinary science and the veterinary and para-veterinary professions in South Africa, viz.:

8.1 Animal Diseases Act, 1984 (Act 35 of 1984)


8.3 Veterinary and Para-Veterinary Professions Act, 1982 (Act 19 of 1982) as amended

8.3.1 Applied regulations

8.3.2 The ethical code of Animal Health Technicians

9. Candidates must also have some knowledge of the following laws pertaining to veterinary science and the veterinary- and para-veterinary professions in South Africa, viz.:

9.1 Animal Improvement Act, 1998 (Act No 62 of 1998)

9.2 Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947)

9.3 Animals Protection Act (Act 71 of 1962) as amended

9.4 Medicines and Related Substances Control Act, (Act 101 of 1965) as amended

9.5 Criminal Procedures Act (Act 51 of 1977) as amended

These Acts are published in Government Gazettes, which are obtainable at libraries and specifically at:

The National Library of South Africa
165 Thabo Sehume (Andries) Street
Pretoria
South Africa

Tel: 0027 (012) 321 8931

PO Box 397
Pretoria
0001
10. In addition, candidates must have a **sound theoretical** and **practical** knowledge of the following study fields:

10.1 ANATOMY AND PHYSIOLOGY (ANIMAL HEALTH)

- Demonstrate an understanding of the points of the conformation of the domestic and game animals' bodies and give body measurements
- Describe the position or direction of any organ or part of an organ on the animal body
- Describe the morphology of the typical animal cell, and be able to discuss the different forms of cell division and the processes of spermatogenesis and oogenesis
- Discuss, describe and compare the structure and functions of the various tissues found in domestic animals and game
- Discuss and describe anatomy and physiology of the cardiovascular and lymphatic system in mammals
- Identify and describe the anatomy and physiology of the digestive system of the different domestic animals and game
- Describe and discuss the anatomy and physiology of the musculoskeletal system
- Demonstrate an understanding of the anatomy and physiology of the endocrine system
- Identify and describe the anatomy and physiology of the sense organs of the animal
- Identify and describe the anatomy and physiology of the nervous system
- Identify and describe the anatomy and physiology of the skin and associated structures
- Identify and describe the anatomy and physiology of the urogenital system
- Identify and describe the anatomy and physiology the respiratory system

10.2 ZOOТЕCHНОLOGY (ANIMAL HEALTH)

The principles and practice of the keeping, breeding and management of the following animals:

- Beef cattle; dairy cattle; sheep; poultry; pigs; horses

The principles and practice of the following:

- Aquaculture
- Basic first aid
- Routine farm operations
- Animal handling

10.3 PASTURE AND NUTRITION (ANIMAL HEALTH)

- Pasture Management: ecological principles; veld types of Southern Africa; characteristics of veld types; feeding habits and selective feeding; division of veld into homogenous ecological units; principles of pasture management; principles of the resting of veld; invasive plants; planted pastures
- Nutrition: chemical composition of feeds; energy and protein standards of feeds, digestion of feeds, nutritional requirements of farm animals; classification and nutritional values of feeds; feeding of various groups of animals

10.4 AGRICULTURAL ECONOMICS (ANIMAL HEALTH)

- Discuss the importance of agricultural products to South Africa and how these products reach the consumer.
  - Market trends are interpreted and predicted correctly.
  - Applicable examples of marketing methods are listed and described.
  - Describe how end users/consumers and their specific needs are identified and products are adapted accordingly.
  - Identify viable marketing channels and draft a marketing plan.
- Illustrate the importance of agriculture on the economy of South Africa and compare this internationally.
The role of agricultural economics is discussed. Data on South African agriculture are compiled by using appropriate references and sources. Relevant data for statistical purposes are collected, processed and used to calculate economic factors.

- Describe and give examples of the factors influencing the profitability of agriculture for the individual farmer and end user.
  - The term profitability is defined and criteria to measure profitability are identified.
  - Major economic problems in agriculture are identified and discussed.
  - In given case studies, profitability is calculated correctly.

- Interpret the effect of national and international factors on the income of the farmer and recommend methods to overcome and manage these factors. Discuss international trade in agricultural products with regard to South Africa and southern Africa with reference to organisations like the European Union and the World Trade Organisation.
  - Macro economic factors, e.g. inflation are discussed and compared.
  - International trade and international factors are discussed and interpreted.
  - International organisations are discussed, e.g. EU, WTO and the GATT.

10.5 LABORATORY DIAGNOSTICS (ANIMAL HEALTH)

- Identify the different types of smears for microscopic examination and prepare the smears.
  - Smears are prepared in the laboratory according to accepted principles and techniques.
  - The preparation of smears is described verbally by using the appropriate technical terminology

- Prepare samples for submission to a veterinary laboratory. (The samples involved are samples relating to the most common diseases and abnormal conditions in domestic animals and wildlife in southern Africa and include blood samples, tissue samples, skin scrapings, milk samples and others.)
  - Samples are prepared according to accepted procedures.
  - Accurate descriptions are provided of how samples should be prepared and submitted and how relevant information on the samples should be obtained for every disease and abnormal conditions in animals that are studied.
  - The organisation, structure and role of a state veterinary laboratory are correctly described verbally.

- Take and analyse samples and interpret the results. Describe the different techniques used to take and analyse faecal samples as well as interpreting the results, to collect samples for bacteriological examinations and to make and preserve skin scrapings for later laboratory investigations. The samples are taken from various animals during the practical session, namely cattle, small ruminants and horses.)
  - Samples are taken and analysed according to generally accepted laboratory methods and techniques.
  - Results are interpreted by applying knowledge of common animal diseases and abnormal conditions, including internal parasites of animals.
  - The sampling procedure, analysis procedure and the results are described correctly verbally using accepted terminology.

- Conduct sampling and testing of urine for certain toxicological and disease conditions. (Urine of a variety of domestic animals is tested)
  - Sampling and testing of urine are conducted according to generally accepted laboratory methods and techniques.
  - Sampling procedures, analysis procedures and the results are described correctly verbally using accepted terminology, with reference to real tests as well as case studies.
• Explain the basic principles of serological testing and take samples for serology correctly. (Samples for testing for a variety of serological tests are obtained from different animals including cattle, wildlife and small ruminants.)
  - The principles of serology are discussed for the various methods used in laboratory diagnostics by applying the knowledge of immunology and using the correct terminology.
  - The correct sampling and test method used for specific diseases and conditions are identified using knowledge of animal diseases.
• Explain the physical principle of light microscopy and use a microscope for diagnostic purposes.
  - A light microscope is used to identify samples.
  - The structure and function of a light microscope are explained verbally and by using graphics.

10.6 NON-CONTROLLED ANIMAL DISEASES (ANIMAL HEALTH)
  ➢ Classification of the causes of diseases
  ➢ Introductory immunology
  ➢ Internal parasites; external parasites
  ➢ Toxicology
  ➢ Metabolic diseases
  ➢ Digestive disorders and deficiency diseases
  ➢ Reproduction diseases
  ➢ Diseases of cattle
  ➢ Diseases of small stock
  ➢ Diseases of horses
  ➢ Diseases of pigs
  ➢ Diseases of poultry
  ➢ Diseases of dogs and cats
  ➢ Wildlife diseases
  ➢ Prevention of diseases in herds
  ➢ Veterinary Public Health

10.7 LEGAL ASPECTS AND CONTROLLED ANIMAL DISEASES (ANIMAL HEALTH)
• Legal aspects
  ➢ Legislation
  ➢ Law enforcement
• Controlled animal diseases
  ➢ Legislation relating to controlled animal diseases
  ➢ Control of animal diseases
  ➢ Tuberculosis and Brucellosis schemes in respect of cattle
  ➢ Controlled viral, bacterial and protozoal diseases
  ➢ Controlled diseases caused by external parasites

10.8 EPIDEMIOLOGY (ANIMAL HEALTH)
  ➢ Introductory concepts of epidemiology
  ➢ Uses of epidemiology
  ➢ Epidemiological approach to diseases
  ➢ Disease occurrence
  ➢ Disease transmission
  ➢ Introductory biostatistics
  ➢ Methodology of epidemiology
¬ Serological epidemiology
¬ Epidemiological investigations
¬ Data management

PLEASE NOTE

11. If candidates should require any additional information regarding examination policy, the administration and organisation of the examination, they may direct their enquiries to:

The South African Veterinary Council: Exams
PO Box 40510
ARCADIA
0007
Republic of South Africa

Tel: 0027 (012) 342 1612
Fax: 0027 (012) 342 4354
SOUTH AFRICAN VETERINARY COUNCIL

Payments to the South African Veterinary Council:

Persons in foreign countries should please note that payments to the South African Veterinary Council should be remitted to:

ABSA Bank Limited
Hatfield Branch (Bank reference 335 545)
Account 020 166 762

and payees are to ensure that the amount transferred is the correct amount in South African Rand. When transfers are made ABSA must be advised of the details pertaining to payment, as follows:

Payment for application to sit registration with the South African Veterinary Council

Person's name: ________________________________________________________________

Copy of Identity Document: ______________________________________________________

Date of payment: _______________________________________________________________

Please advise the South African Veterinary Council of transfer of payment, as follows:

Person's name: ________________________________________________________________

Name of bank of origin: _________________________________________________________

Payee's account number: ________________________________________________________

Amount of payment: ____________________________________________________________

Date of payment: _______________________________________________________________

Fax the information to: 0027 (012) 342 4354: Attention – Exams

OR

e-mail the information to: exams@savc.org.za