

1. PREAMBLE

Taung Agricultural College (TAC) was established in 1965 and has undergone several institutional and governance changes until recently when the College registered a new curriculum with SAQA and received accreditation from CHE. The College offers a Diploma in Agriculture in Irrigation at NQF level 06. The Irrigation Programme is a unique course and currently TAC is the only institution in South Africa offering the diploma in Irrigation. The College is situated at Greater Taung Local Municipality in North West Province at Dr Ruth Segomotsi Mompati District. It is situated between Hartswater and Vryburg and the distance from Hartswater is about 30km and from Vryburg is about 70km.

The College operates in terms of Chapter 3 of the Higher Education Act, 1997 as a Public Higher Institution of Learning.

2. QUALIFICATIONS

After completion of two and half year's full-time study, a student will undertake a Work Integrated Learning for a period of six months which will lead to a Diploma in Agriculture in Irrigation.

3. QUALIFICATION CONTENTS

3.1.1 Irrigation legislation in South Africa

In the preface of the National Water Act it is recognised that water is a scarce and unevenly distributed natural resource, which occurs in many different forms. Discriminatory laws and practices of the past have prevented equal access to water resources. The aim of water resource management is to protect the quality of water resources and to ensure sustainability of the nation's water resources in the interests of all water users. The National Water Act, Act 36 of 1998, was implemented in South Africa to ensure that the nation's water resources are protected, used, developed, conserved, managed and controlled. TAC irrigation diploma exposes students to how water is conserved, protected and distributed lawfully.

3.1.2 Irrigation Water Management

South Africa has crossed the line from being a water stressed country to being a water scarce country given the current status. Never before has it been more critical to ensure the efficient use of every single drop of water available to us. This is even becoming even more important with the rising energy costs and the need to adapt to climate change. The TAC irrigation Diploma aims to ensure students are equipped with skills to effectively manage irrigation water and conserve natural resources in line with the Nation Water Act.

3.1.3 Irrigation systems/ Drainage Design

Proper Irrigation design is a key factor and often a starting in achieving economical irrigation systems. It is a positive move towards sustainability in irrigated agriculture. The importance of good drainage in irrigation schemes cannot be over emphasized. TAC irrigation Diploma exposes the student to the critical linkage between irrigation and drainage as well as the best practices in irrigation/drainage design and implementation.

3.1.4 Irrigation Economics

Long and short term cost analysis of irrigation systems, skills to prepare enterprise, partial and whole farm budgets , prepare an appropriate marketing strategy for specific farm, select an appropriate financial alternatives for and irrigation system, prepare risk analysis patterning to irrigation, and to understand different costs saving options when dealing with irrigation on farms.

3.2 Additional Courses

- 3.1 Crops and fodder production
- 3.2 Soil Sciences
- 3.3 Agro-Climatology
- 3.4 Agricultural Economics and Information Technology
- 3.5 Animal Production



4. CAREER OPPORTUNITIES

- Irrigation Farming
- Farm Managers
- Agricultural extension practitioner(Irrigation)
- Agriculturalist
- Research Technician
- Irrigation Technician
- Own business (service provider: training, assessor, moderator, and etc.)

5. ADMISSION REQUIREMENTS

A grade 12 Certificate with Mathematics (E) / Mathematics Literacy (D), English (E), Life Science/Agricultural Science (E) and Physics (E) or an equivalent of Grade 12 Certification

A minimum of 22 points is a pre-requisite for selection at Taung Agricultural College.

Post 2008 Matriculate applicants Symbol/ Points	Post 2008 Matriculate applicants	Post 2009 Matriculate applicants	
		HG	SG
A	9	7	9
B	8	6	8
C	7	5	7
D	6	4	6
E	5	2	5
F	0	0	0

Duration (minimum and maximum duration)

The minimum duration of the study towards Diploma is three years and maximum duration is six years of full time study.

6. APPLICATION

- Annual closing date: 31 October
- Forward completed application to:

The Registrar

Taung Agricultural College

Private Bag X532

8584

7. ENQUIRIES

Telephone: 053 994 9800/39

Fax: 053 994 1130



Vaalhardt's Pers, HARTSWATER, Tel: 053 474 0212

(vp 1265)

TAUNG

Agricultural College

