






Personal details

 Tshegofatso Phala


 phalatshegofatso901@gmail.com


 +27765396505

 17957 umfusamvu street,
0152 Pretoria

 2 March 2004

 Male

 South African

 gmail.com

Skills

geospatial information system

geospatial data

PowerPoint

Windows Word

Python

excellent communication skills

Large dataset analysis

Remote sensing

Languages

English

Tshegofatso Phala

Surveyor technician

Profile

Summary

- As a Tshwane University of Technology aspiring Surveyor Technician, I bring strong problem-solving skills and the ability to work independently, ensuring precise and reliable results. My dependable nature and excellent communication skills allow me to collaborate effectively within teams and with clients. I am adept at handling tasks under pressure while maintaining high standards of accuracy and efficiency.
- With an organized approach, I am committed to contributing to projects that demand technical expertise and attention to detail, while continuously developing my skills in this dynamic field.
- As a dedicated Surveyor Technician, I excel in leveraging strong organizational skills to manage complex surveying projects efficiently. Ready to apply my experience of work from school based on dealing with large dataset of measurement about level of surface.

Education

Jan 2017 - Dec 2021

Rasekgala High School, Polokwane

Geomatics Engineering

Jan 2023 - Present

Tshwane University of Technology, Pretoria, Pretoria, Pretoria

References

Mr Vukosi Baloyi - Department of agriculture and Land reform
Vukosi.baloyi@dalrrd.gov.za
083 400 5342

Mrs LT Mokuia - TUT lecture



REPUBLIC OF SOUTH AFRICA

National Senior Certificate

Awarded to

2024-11-03

TSHEGOFATSO PHALA

Identity number 0403025393089

Exam number 7220333326301

Subject	%	Achievement level	Date
Sepedi Home Language	64	5	Nov 21
English First Additional Language	58	4	Nov 21
Mathematics	66	5	Nov 22
Life Orientation	65	5	Nov 21
Geography	57	4	Nov 22
Life Sciences	54	4	Nov 21
Physical Sciences	55	4	Nov 22

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 NAAM IN DRUKSKRIF: *[Signature]*
 NAME IN PRINT: *[Signature]*

This candidate is awarded the National Senior Certificate and has met the minimum requirements for admission to bachelor's degree, diploma or higher certificate study as gazetted for admission to higher education, subject to the admission requirements of the higher education institution concerned.

2024-11-03

With effect from December 2022

M. S. LAKOMETSI

Chief Executive Officer

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Council for Quality Assurance in
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South Africa

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**Tshwane University
of Technology**

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Academic Transcript

Issuing Institution : Tshwane University of Technology PRODI41
 Name : PHALA TSHEGOFATSO
 Student Number : 231773630
 Identity Number : 0403025393089
 Date Of Birth : 02-MAR-2004

Student Is In Debit By R 83927.00

Year : 2023 DIPLOMA IN GEOMATICS
 National Qualification ID : 119112 Credit : 384
 National Level : Advanced Certificate, Diploma (06)
 Designator : NOT APPLICABLE
 Qualifier : GEOMATICS
 Annual Result :

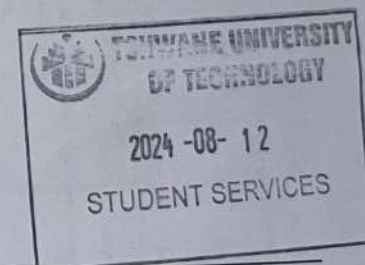
YEAR (JAN-DEC)		National Level	National Credit
COMMUNICATION SKILLS	WITHHELD	05	6.00
ENGINEERING SURVEYING FUNDAMENTALS I	WITHHELD	05	28.00
GEOMATICS COMPUTER APPLICATIONS	WITHHELD	05	19.00
INFORMATION LITERACY	WITHHELD	05	1.00
LIFE SKILLS	WITHHELD	05	2.00
FIRST SEMESTER (JAN-JUN)		National Level	National Credit
GEOGRAPHY	WITHHELD	05	6.00
MATHEMATICS IA	WITHHELD	05	12.00
PHYSICS	WITHHELD	05	10.00
SECOND SEMESTER (JUL-DEC)		National Level	National Credit
COMPUTER SURVEY DRAWING	WITHHELD	05	12.00
GEODESY AND MAP PROJECTIONS	WITHHELD	05	12.00
MATHEMATICS IB	WITHHELD	05	12.00

Year : 2024 DIPLOMA IN GEOMATICS
 National Qualification ID : 119112 Credit : 384
 National Level : Advanced Certificate, Diploma (06)
 Designator : NOT APPLICABLE
 Qualifier : GEOMATICS
 Annual Result :
 YEAR (JAN-DEC)
 APPLIED PHOTOGRAMMETRY

National Level National Credit
 06

Continued On Next Page

Page 1



Issuing Institution : Tshwane University of Technology PRODI41

Name : PHALA TSHEGOFATSO

Student Number : 231773630

Identity Number : 0403025393089

Date Of Birth : 02-MAR-2004

ENGINEERING SURVEYING FUNDAMENTALS II

WITHHELD

06

ADJUSTMENT OF ERRORS AND STATISTICS

WITHHELD

06

GEOMATICS CONTROL PROJECT

WITHHELD

06

GEOGRAPHIC INFORMATION SYSTEMS

WITHHELD

06

REMOTE SENSING

WITHHELD

06

SECOND SEMESTER (JUL-DEC)

WITHHELD

06

CADASTRAL SYSTEMS FUNDAMENTALS

WITHHELD

National Level National Credit

06

I hereby declare that

PHALA TSHEGOFATSO

was a registered student at this university during the above mentioned
years and that his / her conduct was satisfactory.

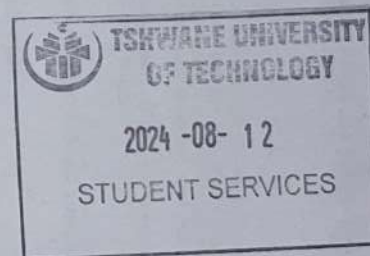
REGISTRAR

12 AUG 2024

*National Level Key

10 - Higher Certificate


11 - Advanced Certificate, Diploma



Last Page

REPUBLIC OF SOUTH AFRICA
NATIONAL IDENTITY CARD

Surname:
PHALA
Names:
TSHEGOFATSO
Sex:
M
Nationality:
RSA
Identity Number:
0403025393089
Date of Birth:
02 MAR 2004
Country of Birth:
RSA
Status:
CITIZEN



Signature
PH

EK SERTIFISEER DAT HIERDIE DOKUMENT 'N WARE AFDRUK (AFSKRIF) IS VAN DIE OORSPRONKLIKE DOKUMENT WAT AAN MY VIR WAARNEMING VOORGELE IS. EK SERTIFISEER VERDER DAT, VOLGENS MY WAARNEMINGS DAAR NIE 'N WYSIGING OF VERANDERING OP DIE OORSPRONKLIKE DOKUMENT BRANGEBRING IS NIE.

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SOUTH AFRICAN POLICE SERVICE

2024-11-03

TO WHOM IT MAY CONCERN
WORK INTERGRATED LEARNING: DIPLOMA IN GEOMATICS (DPGM23)

STUDENT NAME(S): TSHEGOFATSO
STUDENT SURNAME: PHALA
STUDENT NUMBER: 231773630
STUDENT ID: 0402266015088

Herewith to confirm that the above-mentioned student is a registered student at the Tshwane University of Technology and enrolled for the course Diploma in Geomatics course (DPGM23). The student is currently registered for her second-year subjects and will continue with Work Integrated Learning (practical) in 2025.

The Diploma in Geomatics course (DPGM23) consists of a total period of three years, two years of theoretical training at the Tshwane University of Technology and one year of Work Integrated Learning in industry. If the student does not complete Work Integrated Learning, he/she cannot obtain his/her diploma.

The student needs to complete one full year of Work Integrated Learning (practical) after two years of theory (Y1 & Y2) at the University.

When the student registers for Work Integrated Learning (practical) he/she receives online access on the *myWIL* portal to continuously submit progress reports and upload supporting documents, conduct self-assessments and provide feedback to the Mentors/Employers and Academic Assessors in real time. Mentors/Employers and Assessors, who are assigned to the student, can access this online platform to review and comment on the student's submissions. Students are also able to view all feedback and assessments from their Mentors and Academic Assessors in real time, including evaluations of completed tasks. Access to the online *myWIL* to external TUT Mentors or Employers will be made after student registration for industry work.

At the end of the Work Integrated Learning training, students provide feedback to the University on curriculum and performance related issues. These feedback reports are an essential component to improving the quality and relevance of the qualifications offered by the University. **It is therefore essential that the student work under the guidance of a qualified Surveyor that is registered with SAGC in the relevant category with relevant experience.** The department will require the SAGC registration number and/or certificate to confirm suitability of the mentor/employer that will be supervising the student. During this period the student and mentor/employer will be visited at least once in the year in person to monitor the student's progress and possibly once again (either virtually or in person). These visits are conducted by TUT academic staff.

Work Integrated Learning training is regarded as a subject and the student has to register for it the same way as all the other subjects. The registration fees will be determined by the Registration Department and will be adjusted from time to time. **It is important to note that the student must register for the subject within a one-year period.** During this period the student is not allowed to register for fulltime courses that will require the student to attend lectures and undertake practicals on campus. Students may request deviation from this arrangement with the Head of Department and each case is considered on its own merit.

Attached is an example of the activities during a student's training period. These activities are aligned with the South African Geomatics Council's requirements to fulfil the requirements for registration in the Geomatics Practitioner (Engineering Surveying Technician) category. TUT is considered an accredited training site by the Council by virtue of their accreditation of the DPGM23. TUT will issue letters to the student to support the SAGC registration process upon successful completion of the work integrated learning.

I hope the information is satisfactory. For further information, please contact me at the following number or email mentioned below:

Regards,



Mr K Reddy
Geomatics Head of Department

Contact details of Department WIL coordinator to direct all queries (always include your student number and contact details)

Mrs LT Moku-Thipe
Junior Lecturer & WIL Coordinator
Department of Geomatics
Faculty of Engineering and the Built Environment
Building 3: 423, Pretoria Campus
Tel nr: +27 12 382 3536
E-mail: mokualt@tut.ac.za / geomatics@tut.ac.za

WORK CATEGORIES

The following work categories is extracted from the SAGC Notes for Guidance as part of the work experience required for registration as a Geomatics Technician in the Engineering Surveying category.

COMPULSORY TRAINING.

80 working days in basic survey work comprising:

	TYPE OF SURVEY	WORKING DAYS
1	TRIANGULATION: (Minimum 20 days) <ul style="list-style-type: none">• By angular measurement• By distance measurement• By GPS, where applicable	20
2	LEVELLING: (Minimum 15 days) <ul style="list-style-type: none">• Spirit Leveling• Precise levelling;• Trigonometric levelling;• Heighting by GPS where applicable;• Adjustment of a levelling network.	15
3	TRAVERSING: (Minimum 15 days) <ul style="list-style-type: none">• Using total stations or EDM equipment;• Checked by GPS, if equipment available.	15
4	TOPOGRAPHICAL SURVEYING: (Minimum 10 days) <ul style="list-style-type: none">• Detail surveying by total station, GPS or traditional methods.• Includes Photogrammetric Field Work with an aerial survey firm, Professional Surveyor, Engineering Surveyor, government department or a firm doing similar work.	10

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5	COMPUTER DATA PROCESSING: (Minimum 10 days) <ul style="list-style-type: none"> • Survey and CAD Applications • Computer based reporting • Programming & Data processing • Internet Base OR Trignet GNSS 	10
6	GEOMATICS ENGINEERING / CONSTRUCTION: (Minimum 10 days) <ul style="list-style-type: none"> • Dimension, Verticality & Deformation Monitoring for Structures • Dam, Construction (Road/Rail) Surveys • Metrology 	10
TOTAL DAYS		80

NB!! All these surveys are to satisfy the required standards of accuracy as set out in the Land Survey Act No. 8 of 1997 and Regulations, or as otherwise specified.

ADDITIONAL TRAINING.

A minimum of **140 working days** in the following types of survey of which not less than **10 days** nor more than **120 days** will be acceptable in any four (4) of the following options:

- **Cadastral Surveys** with a Professional Land Surveyor, government department or an organisation doing such work.
- **Control Surveys** with a Professional Surveyor, Engineering Surveyor, a government department or an organisation doing such work.
- **Precise Engineering Surveys** with a Professional Surveyor or Professional Engineer, or Engineering Surveyor, with an engineering or construction company, or local authority, or an organisation doing such work.
- **Topographical Surveys** (in addition to the compulsory training above) with an aerial survey firm, Professional Surveyor, Engineering Surveyor, government department or a firm doing similar work.
- **Engineering/Construction Surveys** (in addition to the compulsory training above) with a Professional Surveyor or Professional Engineer, or Engineering Surveyor, with an engineering or construction company, or local authority, or an organisation doing such work.
- **Hydrographic Surveys** with a government department, the Hydrographic Survey of the Navy or any other operation or firm undertaking such work.

The following should be noted:

- I. The number of working days quoted for compulsory and additional training includes both office and field work
- II. The ratio of office to field work should not exceed 2: 1 and should include calculations, draughting and normal administrative operations.
- III. A detailed day to day diary of all survey work undertaken during the training period shall be kept.
- IV. Experience in the various fields of survey shall not be one-sided and must include adequate and varied training meeting the requirements above.

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