

This is to certify that **Mr Nduvho Edward Ramashia** was registered as detailed below:

**Student ID:** 1490804

**Date:** 22 July 2022

**2016**

**Bachelor of Science in Engineering (Electrical) (Full-Time)\***

**Year of Study 1**

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
CHEM1033 Chemistry I (Auxiliary) (Engineering)	42	F	FAIL			
CHEM1049 Chemistry (Auxiliary) PT	61	C	PASS			
ELEN1000 Electric Circuits	75	A	PASS			
ELEN1003 Critical Thinking	58	D	PASS			
ELEN1004 Engineering Skills and Design	60	C	PASS			
MATH1014 Mathematics I (Engineering)	52	D	PASS			
PHYS1014 Physics I	60	C	PASS			
PHYS1015 Mechanics	72	B	PASS			

OUTCOME: Permitted to proceed

**2017**

**Bachelor of Science in Engineering (Electrical) (Full-Time)\***

**Year of Study 2**

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
COMS2004 Data Structures and Algorithms	38	F	FAIL			
ELEN1998 Vacation Work 1 (Electrical)			WINC			
ELEN2001 Electronics I	37	F	FAIL			
ELEN2003 Electric and Magnetic Systems	22	F	FAIL			
ELEN2004 Software Development I	20	F	FAIL			
ELEN2005 Signals and Systems I	33	F	FAIL			
ELEN2006 Microprocessors	30	F	FAIL			
MATH2014 Mathematics II			FNQL			
PHYS2007 Physics II (Electrical)	21	F	FAIL			

OUTCOME: Renewal of Registration permitted by Wits Readmissions Committee-2 with conditions

**2018**

**Bachelor of Science in Engineering (Electrical) (Full-Time)**

**Year of Study 2**

**SAQA Qualification ID: 14004**

Transfer Date: 12 February 2018

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
COMS2004A Data Structures and Algorithms			DROPPED	6	18	
ELEN1998A Vacation Work I (Electrical)			DROPPED			
ELEN2001A Electronics I			DROPPED	6	18	





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Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN2003A Electric and Magnetic Systems			DROPPED	6	18	
ELEN2004A Software Development I			DROPPED	6	18	
ELEN2005A Signals and Systems I			DROPPED	6	12	
ELEN2006A Microprocessors			DROPPED	6	15	
MATH2014A Mathematics II			DROPPED	6	33	
PHYS2007A Physics II (Electrical)			DROPPED	6	15	

OUTCOME: Did not meet mid-year requirements

**2020**

**Bachelor of Science in Engineering (Electrical) (Full-Time)**  
**SAQA Qualification ID: 14004**

**Year of Study 2**

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
COMS2004A Data Structures and Algorithms	87	A	PASS	6	18	
ELEN1998A Vacation Work I (Electrical)			WINC			
ELEN2003A Electric and Magnetic Systems	60	C	PASS	6	18	
ELEN2005A Signals and Systems I	63	C	PASS	6	12	
ELEN2016A Electronics I	58	D	PASS	6	16	
ELEN2020A Software Development I	95	A	PASS	6	16	
ELEN2021A Microprocessors	90	A	PASS	6	14	
MATH2014A Mathematics II	81	A	PASS	6	33	
PHYS2007A Physics II (Electrical)	82	A	PASS	6	15	

OUTCOME: Permitted to proceed

**2021**

**Bachelor of Science in Engineering (Electrical) Information (Full-Time)**  
**SAQA Qualification ID: 14004**

**Year of Study 3**

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
APPM3021A Computational Mathematics	58	D	PASS	7	15	
ELEN1998A Vacation Work I (Electrical)			PASS			
ELEN3002A Electronics II	63	C	PASS	7	15	
ELEN3007A Probabilistic System and Signal Analysis	27	F	FAIL	7	12	
ELEN3009A Software Development II	60	C	PASS	7	18	
ELEN3012A Signals and Systems IIA	62	C	PASS	7	12	
ELEN3013A Signals and Systems IIB	82	A	PASS	7	9	
ELEN3015A Data and Information Management	28	F	FAIL	7	18	
ELEN3016A Control I	54	D	PASS	7	18	

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Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN3017A Electrical Engineering Design	69	C	PASS	7	15	
ELEN3018A Economics of Design	52	D	FCOM	7	12	
ELEN3024A Communication Fundamentals	10	F	FAIL	7	12	
150 credit points at level 1 have been granted						
154 credit points at level 2 have been granted						

OUTCOME: Must return to complete requirements for year of study

## 2022

**Bachelor of Science in Engineering (Electrical) Information (Full-Time)** Year of Study 3

**SAQA Qualification ID:** 14004

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN3007A Probabilistic System and Signal Analysis	***	***	***	7	12	
ELEN3015A Data and Information Management	***	***	***	7	18	
ELEN3018A Economics of Design	***	***	***	7	12	
ELEN3024A Communication Fundamentals	***	***	***	7	12	
ELEN4009A Software Engineering	***	***	***	8	15	
ELEN4019A Select Topics in Sociology	***	***	***	8	12	
ELEN4022A Full Stack Quantum Computing	***	***	***	8	15	

OUTCOME: \*\*\*

## Prizes & Awards:

2020 Certificate of Merit  
2020 Certificate of Merit

ELEN2020A Software Development I  
PHYS2007A Physics II (Electrical)

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This is to certify that **Mr Nduvho Edward Ramashia** was registered as detailed below:

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**Date:** 22 July 2022

**The student has fulfilled the requirements for a certificate of conduct**

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\*This qualification preceded the Higher Education Qualifications Framework (HEQF) and therefore the Qualification ID, the NQF level and NQF credits of programmes and courses are not displayed.

Please note that the codes reflected in the transcript may differ from those in use at the time of the original registration.

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A handwritten signature in black ink, appearing to be 'OSG/SJ'.