



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

**Student ID:** 1490804

**Date:** 26 January 2024

**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

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**Student ID:** 1490804

**Date:** 26 January 2024

**2018**

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

**Year of Study 2**

**SAQA Qualification ID:** 14004

Transfer Date: 12 February 2018

**Program/Course**

	<b>Final Marks</b>	<b>Result Code</b>	<b>Result Decision</b>	<b>NQF Level</b>	<b>NQF Credit</b>	<b>Exam Type</b>
COMS2004A Data Structures and Algorithms			DROPPED	6		
ELEN1998A Vacation Work I (Electrical)			DROPPED			
ELEN2001A Electronics I			DROPPED	6		
ELEN2003A Electric and Magnetic Systems			DROPPED	6		
ELEN2004A Software Development I			DROPPED	6		
ELEN2005A Signals and Systems I			DROPPED	6		
ELEN2006A Microprocessors			DROPPED	6		
MATH2014A Mathematics II			DROPPED	6		
PHYS2007A Physics II (Electrical)			DROPPED	6		

OUTCOME: Did not meet readmission conditions at mid-year

**2020**

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

**Year of Study 2**

**SAQA Qualification ID:** 14004

**Program/Course**

	<b>Final Marks</b>	<b>Result Code</b>	<b>Result Decision</b>	<b>NQF Level</b>	<b>NQF Credit</b>	<b>Exam Type</b>
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

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**Student ID:** 1490804

**Date:** 26 January 2024

**2021**

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

**SAQA Qualification ID:** 14004

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		
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		
ELEN3016A Control I	54	D	PASS	7	18	
ELEN3017A Electrical Engineering Design	69	C	PASS	7	15	
ELEN3018A Economics of Design	52	D	FCOM	7		
ELEN3024A Communication Fundamentals	10	F	FAIL	7		
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- Year of Study 3  
Time)**

**SAQA Qualification ID:** 14004

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN3007A Probabilistic System and Signal Analysis	72	B	PASS	7	12	
ELEN3015A Data and Information Management	52	D	PASS	7	18	
ELEN3018A Economics of Design	57	D	PASS	7	12	
ELEN3024A Communication Fundamentals	41	F	FAIL	7		
ELEN4009A Software Engineering	53	D	PASS	8	15	
ELEN4019A Select Topics in Sociology	35	F	FAIL	8		
ELEN4022A Full Stack Quantum Computing	34	F	FAIL	8		

OUTCOME: Exclusion waived-must return to the same year of study

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**Student ID:** 1490804

**Date:** 26 January 2024

**2023**

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

**SAQA Qualification ID:** 14004

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN3024A Communication Fundamentals	56	D	PASS	7	12	
ELEN4019A Select Topics in Sociology	61	C	PASS	8	12	
ELEN4024A Secure Computing	57	D	PASS	8	15	

OUTCOME: Permitted to proceed on a special curriculum

**2024**

**Bachelor of Science in Engineering (Electrical) Information (Full- Year of Study 4  
Time)**

**SAQA Qualification ID:** 14004

Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN4006A Measurement Systems	***	***	***	8		
ELEN4010A Software Development III	***	***	***	8		
ELEN4011A Information Engineering Design	***	***	***	8		
ELEN4012A Information Engineering Laboratory	***	***	***	8		
MECN4020A Systems Management and Integration	***	***	***	8		

OUTCOME: \*\*\*

**Prizes & Awards:**

2020 Certificate of Merit

ELEN2020A Software Development I

2020 Certificate of Merit

PHYS2007A Physics II (Electrical)

**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.

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