

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**

CHEM1033	Chemistry I (Auxiliary) (Engineering)
CHEM1049	Chemistry (Auxiliary) PT
ELEN1000	Electric Circuits
ELEN1003	Critical Thinking
ELEN1004	Engineering Skills and Design
MATH1014	Mathematics I (Engineering)
PHYS1014	Physics I
PHYS1015	Mechanics

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
42	F	FAIL			
61	C	PASS			
75	A	PASS			
58	D	PASS			
60	C	PASS			
52	D	PASS			
60	C	PASS			
72	B	PASS			

OUTCOME: Permitted to proceed

**2017**

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

**Year of Study 2**

**Program/Course**

COMS2004	Data Structures and Algorithms
ELEN1998	Vacation Work 1 (Electrical)
ELEN2001	Electronics I
ELEN2003	Electric and Magnetic Systems
ELEN2004	Software Development I
ELEN2005	Signals and Systems I
ELEN2006	Microprocessors
MATH2014	Mathematics II
PHYS2007	Physics II (Electrical)

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
38	F	FAIL			
		WINC			
37	F	FAIL			
22	F	FAIL			
20	F	FAIL			
33	F	FAIL			
30	F	FAIL			
		FNQL			
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**

COMS2004A	Data Structures and Algorithms
ELEN1998A	Vacation Work I (Electrical)
ELEN2001A	Electronics I

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
		DROPPED	6	18	
		DROPPED			
		DROPPED	6	18	



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**Program/Course**

ELEN2003A	Electric and Magnetic Systems
ELEN2004A	Software Development I
ELEN2005A	Signals and Systems I
ELEN2006A	Microprocessors
MATH2014A	Mathematics II
PHYS2007A	Physics II (Electrical)

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
		DROPPED	6	18	
		DROPPED	6	18	
		DROPPED	6	12	
		DROPPED	6	15	
		DROPPED	6	33	
		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**

COMS2004A	Data Structures and Algorithms
ELEN1998A	Vacation Work I (Electrical)
ELEN2003A	Electric and Magnetic Systems
ELEN2005A	Signals and Systems I
ELEN2016A	Electronics I
ELEN2020A	Software Development I
ELEN2021A	Microprocessors
MATH2014A	Mathematics II
PHYS2007A	Physics II (Electrical)

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
87	A	PASS	6	18	
		WINC			
60	C	PASS	6	18	
63	C	PASS	6	12	
58	D	PASS	6	16	
95	A	PASS	6	16	
90	A	PASS	6	14	
81	A	PASS	6	33	
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**

APPM3021A	Computational Mathematics
ELEN1998A	Vacation Work I (Electrical)
ELEN3002A	Electronics II
ELEN3007A	Probabilistic System and Signal Analysis
ELEN3009A	Software Development II
ELEN3012A	Signals and Systems IIA
ELEN3013A	Signals and Systems IIB
ELEN3015A	Data and Information Management
ELEN3016A	Control I

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
58	D	PASS	7	15	
		PASS			
63	C	PASS	7	15	
27	F	FAIL	7	12	
60	C	PASS	7	18	
62	C	PASS	7	12	
82	A	PASS	7	9	
28	F	FAIL	7	18	
54	D	PASS	7	18	



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**Program/Course**

ELEN3017A Electrical Engineering Design  
 ELEN3018A Economics of Design  
 ELEN3024A Communication Fundamentals  
 150 credit points at level 1 have been granted  
 154 credit points at level 2 have been granted

	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	

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**

ELEN3007A Probabilistic System and Signal Analysis  
 ELEN3015A Data and Information Management  
 ELEN3018A Economics of Design  
 ELEN3024A Communication Fundamentals  
 ELEN4009A Software Engineering  
 ELEN4019A Select Topics in Sociology  
 ELEN4022A Full Stack Quantum Computing

	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)





UNIVERSITY OF THE  
WITWATERSRAND,  
JOHANNESBURG

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.

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A handwritten signature in black ink, appearing to read "OSGSSJ".