

This is to certify that **Mr Jason Dean Ziemons** was registered as detailed below:

Student ID: 1724762

Date: 25 December 2021

2017

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

Year of Study 1

SAQA Qualification ID: 14004

Program/Course

	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
CHEM1033A Chemistry I (Aux) ENG	58	D	PASS	5	15	
ELEN1000A Electric Circuits	80	A	PASS	5	15	
ELEN1003A Critical Thinking	73	B	PASS	5	12	
ELEN1004A Engineering Skills and Design	65	C	PASS	5	12	
MATH1014A Mathematics I (ENG)	64	C	PASS	5	30	
PHYS1014A Physics I	64	C	PASS	5	30	
PHYS1015A Mechanics	59	D	PASS	5	30	

OUTCOME: Permitted to proceed

2018

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

Year of Study 2

SAQA Qualification ID: 14004

Program/Course

	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
COMS2004A Data Structures and Algorithms	67	C	PASS	6	18	
ELEN1998A Vacation Work I (Electrical)			WINC			
ELEN2001A Electronics I	44	F	WSP1	6	18	
ELEN2001A Electronics I			PASS	6	18	SUPP EXAM
ELEN2003A Electric and Magnetic Systems	66	C	PASS	6	18	
ELEN2004A Software Development I	55	D	PASS	6	18	
ELEN2005A Signals and Systems I	56	D	PASS	6	12	
ELEN2006A Microprocessors	59	D	PASS	6	15	
MATH2014A Mathematics II	60	C	PASS	6	33	
PHYS2007A Physics II (Electrical)	56	D	PASS	6	15	

OUTCOME: Permitted to proceed

2019

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

Year of Study 3

SAQA Qualification ID: 14004

Program/Course

	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN1998A Vacation Work I (Electrical)			PASS			
ELEN1999A Vacation Work 2 (Electrical)			PASS			
ELEN3000A Electromagnetic Engineering	76	A	PASS	7	12	



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Program/Course	Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
ELEN3002A Electronics II	50	D	PASS	7	15	
ELEN3003A Power Engineering	76	A	PASS	7	15	
ELEN3007A Probabilistic System and Signal Analysis	72	B	PASS	7	12	
ELEN3009A Software Development II	46	F	WSP1	7	18	
ELEN3009A Software Development II			FAIL	7	18	SUPP EXAM
ELEN3012A Signals and Systems IIA	56	D	PASS	7	12	
ELEN3013A Signals and Systems IIB	60	C	PASS	7	9	
ELEN3016A Control I	64	C	PASS	7	18	
ELEN3017A Electrical Engineering Design	65	C	PASS	7	15	
ELEN3018A Economics of Design	64	C	PASS	7	12	
MATH3025A Mathematical Methods	57	D	PASS	7	15	

OUTCOME: Must return to complete requirements for year of study

2020

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

SAQA Qualification ID: 14004

Program/Course

ELEN3009A	Software Development II
ELEN4001A	High Frequency Techniques
ELEN4006A	Measurement Systems
ELEN4016A	Control II
ELEN4019A	Select Topics in Sociology

Year of Study 3

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
89	A	PASS	7	18	
82	A	PASS	8	15	
68	C	PASS	8	15	
71	B	PASS	8	15	
75	A	PASS	8	12	

OUTCOME: Permitted to proceed on a special curriculum

2021

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

SAQA Qualification ID: 14004

Program/Course

ELEN4000A	Electrical Engineering Design II
ELEN4002A	Electrical Engineering Laboratory
ELEN4003A	High Voltage Engineering
MECN4020A	Systems Management and Integration

Year of Study 4

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
88	A	PASS	8	24	
96	A	PASS	8	33	
97	A	PASS	8	15	
71	B	PASS	8	12	

OUTCOME: Completed all requirements for the Qualification.

Qualification:

Bachelor of Science in Engineering
Completed all requirements for Qualification

Qualified : 16 December 2021





This is to certify that **Mr Jason Dean Ziemons** was registered as detailed below:

Student ID: 1724762

Date: 25 December 2021

2021

Engineering Occasional (Undergraduate) (Full-Time)

Year of Study 1

Program/Course

ELEN4018A Power Systems

Final Marks	Result Code	Result Decision	NQF Level	NQF Credit	Exam Type
82	A	PASS			

OUTCOME: Credit bearing at discretion of home institution

The student has fulfilled the requirements for a certificate of conduct

This is a digital transcript generated electronically through the Wits student self-service portal. A watermarked document can be issued from the Faculty office upon request.

*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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