

## OFFICERS

<b>Chancellor</b>	Dr RJ Khoza BA(Hons) (UNIN), MA(Lancaster), Eng D(Warwick), LLD <i>Honoris Causa</i> (RU), DEcon <i>Honoris Causa</i> (UFS), LLD <i>Honoris Causa</i> (Warwick), CDSA
<b>Vice-Chancellor and Principal</b>	Professor NK Poku BA(Hons)(Nottingham), MA(Nottingham Trent), MSc(Coventry), PhD(Nottingham Trent)
<b>Chair of Council</b>	Dr L Moja MBChB(Natal), MMed OetG(Medunsa), MBA(UFS)
<b>Deputy Vice-Chancellor: Research</b>	Professor M Moshabela MBChB (Natal), MMed (UL), MSc (LSHTM), PhD(WITS)
<b>Deputy Vice-Chancellor: Teaching and Learning</b>	Professor SP Songca BSc, BScHons(Unitra), MSc, PhD(London)
<b>Deputy Vice-Chancellor and Head of College of Agriculture, Engineering and Science</b>	Professor FN Mudau ( <i>Acting</i> ) BScAgric(Univen), MScAgric(US), PhDAgric(UP, MBL (GSBL-UNISA)
<b>Deputy Vice-Chancellor and Head of College of Health Sciences</b>	Professor BP Ncama BCur(Unisa), MCur (Natal), PhD(UKZN), RN RM, RICN, RCHN, RDN, RNE
<b>Deputy Vice-Chancellor and Head of College of Humanities</b>	Professor NJ Mkhize BAHons(Natal), MA(Iowa), PhD(Natal)
<b>Deputy Vice-Chancellor and Head of College of Law and Management Studies</b>	Professor M Reddi ( <i>Acting</i> ) BA(Law)(UDW), LLB(UDW), LLM(UKZN), LLD(UDW)
<b>Registrar</b>	Dr KE Cleland B(Hons) Occupational Therapy(UP), MEd(Natal), PhD(UKZN), PG Dip Law(FICJ)
<b>President of Convocation</b>	Dr QL Mlita BSc Medical Science, BSc(Hons)(UNIZUL), MBChB(UKZN)

## OFFICE BEARERS

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COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

**Deputy Vice-Chancellor and Head of College**

**Professor FN Mudau (Acting)**

BScAgric(Univen), MScAgric(US), PhDAgric(UP), MBL(GSBL-UNISA)

**Dean and Head of School of Agricultural, Earth and Environmental Sciences**

**Professor J Sibiya (Acting)**

BScAgricHons(Zimbabwe), MS(OSU), PhD(UKZN)

**Dean and Head of School of Chemistry and Physics**

**Professor RS Robinson**

BScHons, MSc, PhD(Rhodes)

**Dean and Head of School of Engineering**

**Professor G Bright**

PrEng, BScEng, MScEng, PhD(Natal), MBA(UKZN)

**Dean and Head of School of Life Sciences**

**Professor AO Olaniran**

BScHons, MSc(OAU), PhD(UKZN)

**Dean and Head of School of Mathematics, Statistics and Computer Science**

**Professor S Viriri**

BSc, MSc(Havana), PhD(UKZN)

**Dean: College Research**

**Professor NA Koorbanally**

BScHons, MSc, PhD(Natal)

**Dean: College Teaching and Learning**

**Professor N Chetty**

BScHons(Natal), PhD(UKZN)

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# ORDER OF PROCEEDINGS

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The Academic Procession enters the Hall – *University Anthem – Ihele*

**The Chancellor constitutes the Congregation**

**Welcome to Guests**

**Professor FN Mudau**

Deputy Vice-Chancellor and Head of College of Agriculture, Engineering and Science (Acting)

**Congratulatory Remarks**

Students' Representative Council

**Presentation of Doctoral Graduands**

College Dean: Research

**Presentation of Graduands**

Deans and Heads of School in the College

**The Chancellor dissolves the Congregation**

**National Anthem**

The Academic Procession leaves the Hall

*Gaudeamus Igitur*

## KEY TO SYMBOLS

- \* Degree awarded *cum laude*
- α Degree awarded *summa cum laude*
- # Diploma awarded with distinction
- Posthumous

# Award of Degrees in the College of Agriculture, Engineering and Science

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## DOCTORAL DEGREES

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### Doctor of Philosophy

**Ajewole, Bukola Doyinsola, MScEng** ..... *Electronic Engineering*

**Thesis:** Design and Analysis of Metamaterial Based Microstrip Patch Antennas for Wireless Applications.

**Citation:** For long distance wireless communications high gain antennas are required. Bukola Doyinsola Ajewole has designed and analyzed the metamaterial using I-shaped and square ring structures for multiband applications. Using the arrays of the proposed metamaterial, microstrip patch antenna with high gain is presented for multiband communications. To enhance the capacity of the wireless systems, the design of multiple-input multiple-output microstrip patch antenna with enhanced gain and improved isolation is presented.

**Supervisors:** Professor P Kumar and Professor TJO Afullo

**Aluko, Olabisi Babatope, MSc(Ulbadan)**.....*Mathematics*

**Thesis:** Analysis of Nonlinear Benjamin Equation Posed on the Real Line.

**Citation:** The mathematical analysis of equations involving wave phenomena in real world applications is very challenging. In the thesis we consider one such model, namely the nonlinear Benjamin equation posed in the real line, and studied in detail many important theoretical aspects, such as existence of solutions and the orbital stability of traveling wave solutions. Furthermore, we developed a novel MTC computational basis for the numerical solution of the Benjamin equation.

**Supervisors:** Professor N Parumasur and Professor S Shindin

**Arumugam, Preyan, BSc, BScHons, MSc** ..... *Chemical Engineering*

**Thesis:** Decentralised Sanitation to fill the Gap in Urban Wastewater Treatment within the eThekweni Municipality: A Focus on Tertiary Treatment in Vertical Down-flow Constructed Wetlands.

**Citation:** The study involved the use of a decentralized wastewater treatment plant which reduces the cost of sanitation provision for a community whilst providing the same service as traditional sewered sanitation. To further reduce the footprint

of the plant, vertical flow constructed wetlands (which treat the waste water) were used rather than traditional horizontal flow wetlands, which given the local terrain could potentially save further costs and space.

Supervisors: Dr J Pocock and Professor CJ Brouckaert

**Bax, Dane Gregory, BCom(UNISA), MBA .....Statistics**

Thesis: Appraising South African Residential Property and Measuring Price Development.

Citation: In his thesis he addressed challenging statistical methodological research questions in appraising South African residential property and developing a residential property price index using data science tools. Three of his scientific contributions have been published in high quality international journals. The results of his research have direct societal impact for the real estate market investors, consumers and researchers.

Supervisors: Professor TT Zewotir and Professor DE North

**Elmezughi, Mohamed Khalifa Mohamed, MScEng..... Electronic Engineering**

Thesis: Novel Improvements of Empirical Wireless Channel Models and Proposals of Machine-Learning-Based Path Loss Prediction Models for Future Communication Networks.

Citation: In this research pertaining to 5g/6g networks, Mohamed Khalifa Elmezughi proposes new path loss models that improve the standard Close-In and floating-Intercept models at millimetric wave frequencies. The study further investigates Higher-Order logarithmic dependency of the standard close-in path loss model on the distance between the transmitter and the receiver. Finally, the study evaluates the performance of several machine learning methods and proposes a neural network-based path loss model.

Supervisor: Professor TJO Afullo

**Godwin, Emeka Chigaemezu, BSc(ImoStateU), MSc(FedUTechOwerri) .....Mathematics**

Thesis: Iterative Approximation of Certain Nonlinear Optimization, Generalized Equilibrium and Fixed Point Problems in Hilbert and Banach Spaces.

Citation: Dr Godwin proposed several iterative methods and obtained strong convergence theorems for solving fixed point and certain nonlinear optimization problems in Hilbert and Banach spaces. The results obtained by Dr. Godwin have applications in applied sciences such as engineering, physics, and business.

Supervisors: Professor OT Mewomo and Dr TO Alakoya

**Gumede, Sfundo Cebolenkosi, BSc(UNIZUL), BScHons(UNIZUL), MSc.....Applied Mathematics**

Thesis: New Exact Solutions for Neutral and Charged Shear-Free Relativistic Fluids.

Citation: This work was dedicated to a detailed analysis of relativistic shear-free fluids. Such fluids are important in astrophysics and cosmology. New exact solutions to

the nonlinear Einstein-Maxwell field equations were found which extend earlier treatments. This thesis highlighted the role of dimensions in the field equations for charged shear-free relativistic fluids showing that the presence of higher dimensions influences the dynamical behaviour of the fluid.

Supervisors: Professor SD Maharaj and Professor KS Govinder

**Kekana, Lizzy Mpho, BScHons(UCT)..... Chemical Engineering**

Thesis: Characterization and Analysis of Keratinous Material for Animal Feed Production.

Citation: Mpho Kekana's Ph.D. study focused on developing technology for sustainable disposal of waste chicken feathers. She compared hydrolysates from chemical and enzymatic hydrolysis of feathers, determining their quality for specific applications. Her focus was on the analysis of enzymatic hydrolysates from fungal and bacterial species as protein ingredients for animal feed. The results showed that waste chicken feathers could yield quality proteins, offering an environmentally sustainable process for disposal.

Supervisor: Professor BB Sithole

**Khumalo, Siphesihle Praise-God, BScEng, MScEng..... Chemical Engineering**

Thesis: Removal of Wastewater Contaminants by Adsorption Using Iron on Carbon Foam.

Citation: Siphesihle Khumalo's thesis explores the development and use of novel metal-doped carbon foam adsorbents for water remediation. He investigated the use of natural grain mixtures for synthesis of carbon foams with suitable pore structures and loaded these with metal nanoparticles. These materials were found to be suitable for removal of organic contaminants. The work has relevance for a range of water treatment applications, particularly those that serve industrial zones.

Supervisor: Professor D Lokhat

**Layioye, Okikiade Adewale, BSc(UNottingham), MSc(UNottingham).....Electronic Engineering**

Thesis: The Impact of Visibility Range and Atmospheric Turbulence on Free Space Optical Link Performance in South Africa.

Citation: For reliable design of free space optical networks for South Africa, Okikiade Adewale Layioye studied the impact of visibility range and atmospheric turbulence on FSO link performance. The study shows that optical attenuation due to scattering within the Coastal and Near-Coastal areas peaks at 169 dB/km. for the cumulative distribution of optical attenuation due to scintillation for South Africa, the study recommends the two-term Sum of the Sine distribution model.

Supervisor: Professor TJO Afullo

**Mazibuko, Godfrey Nkululeko, BSc, BScHons, MScEng.....Applied Mathematics**

Thesis: Investigation of the South African Public TVET Colleges' Engineering Official Mathematics Curriculum for Entry Level Artisans.

Citation: The study found that the curriculum was most likely incapable of equipping students to attain its objectives. A new model was developed to evaluate the effectiveness of the curriculum in equipping students with higher-order thinking skills (HOTS). It indicated that the curriculum was incapable of equipping the students with HOTS. This study suggests that focusing on HOTS should better enable students to attain the curriculum objectives.

Supervisor: Professor A Maharaj

**Motsa, Siphesihle Mpho, BScEng, MScEng..... Civil Engineering**

Thesis: Investigation of the Structural Response of Masonry Systems Using Traditional and Data-Driven Numerical Techniques.

Citation: Mr Motsa is a MSc graduate of UKZN (Cum Laude) and he works as a structural engineer. His PhD research focuses on the structural evaluation of masonry buildings and arches, using nonlinear finite element analysis. Traditional constitutive descriptions, including contact and damage mechanics, are adopted for the investigation of the ultimate response of masonry structures. A new approach is also provided, relying on data-driven structural engineering using machine learning principles.

Supervisor: Professor G Drosopoulos

**Mthethwa, Bhekisizwe Mzimkhulu, BScEng, MScEng..... Electronic Engineering**

Thesis: Deep Learning-Based Space-Time Coding Wireless MIMO Receiver Optimization.

Citation: Bhekisizwe Mthethwa's research entails utilizing artificial intelligence-based deep neural networks and mathematical non-linear optimization to minimize the space-time coding wireless MIMO receiver channel estimation bandwidth utilization and sphere-decoding detection complexity. The benefits of his research include the reduction in transmitted pilot symbol overheads used in channel estimation, the reduction in the MIMO receiver detection memory footprint, reduced detection latency, and lower detection power usage without compromising the wireless link reliability.

Supervisor: Professor H Xu

**Mutepfe, Cleophas Douglas Kudzai..... Electronic Engineering**

Thesis: Design and Analysis of Miniaturized Substrate Integrated Waveguide Reconfigurable Filters for MM-Wave Applications.

Citation: Mr Cleophas researched on microwave filters which can be used in emerging technologies utilizing very high frequencies. His work involved designing, analysis and optimization of miniaturized substrate integrated waveguide filters



with high noise immunity and sharp cut\_off edges. He also proposed novel reconfigurable filters operating in the Tera hertz frequency band. During his doctorate he published 6 DoHET accredited journal papers and also presented his work in 2 IEEE conferences.

Supervisor: Professor V M Srivastava

**Ndlovu, Phakamile, BEngHons(NatUoSc& Tech), MScEng ..... Chemical Engineering**

Thesis: Carbon Dioxide Encapsulation in Methane Hydrates.

Citation: This novel study in the field of gas hydrate technology, focussed on carbon dioxide encapsulation into methane hydrates, for carbon capture and storage applications. The candidate is commended for this achievement especially in managing to adjust his workplan several times due to the disruptions experienced. Phakamile Ndlovu has to date developed interesting new experimental techniques and modelling approaches, as well as published 3 journal articles.

Supervisors: Professor P Naidoo and Mrs S Babae

**Ogwo, Grace Nnennaya, BSc(MOUAU), MSc(UCT), MSc.....Mathematics**

Thesis: Fixed Point Approach for Solving Optimization and Fixed Point Problems in Hilbert, Banach and Convex Metric Spaces.

Citation: Fixed point iterative algorithms approach for approximating the solutions of fixed-point, nonlinear and optimization problems is an active area of research in nonlinear functional analysis. Dr. Ogwo proposed several fixed point iterative algorithms in Hilbert, Banach and convex metric spaces and established the strong convergence of the sequences of iterates generated by these iterative algorithms. Thirteen research articles are generated from her PhD thesis.

Supervisors: Professor OT Mewomo and Dr TO Alakoya

**Okezie, Noble Ifeanyi Washington ..... Surveying And Mapping**

Thesis: Public Bus Transportation System Network Analysis for Improved Accessibility in a South African City: A Case of Durban.

Citation: Noble Okezie investigated the accessibility of the public bus transportation system with an emphasis on social inclusivity within the greater eThekweni area using spatial (GIS) and statistical analytical/modelling techniques. The results revealed a skewed accessibility profile which also impacts on social inclusivity hence requiring a reconfiguration and upgrade of the public bus transportation system network model for improved accessibility for the greater eThekweni area.

Supervisors: Dr M Akombelwa and Professor DK Das

**Omoru, Elliot Osahon, MScEng** ..... *Electronic Engineering*

**Thesis:** Design and Analysis of Modeling and Analysis of Mosfet-Based Absorber Integrated Antenna for 5G/WiMAX/WLAN Technologies

**Citation:** Mr Omoru did his research work on active integrated antenna for 5G regime of technology. This antenna reduces the resultant effect of arching within the transmission line under large field intensities of a standing wave. The output from this MOSFET-base absorber in the antenna design used as a source of DC current within the RF front end. During his doctorate he published 6 DoHET accredited Journal and 1 conference paper.

**Supervisor:** Professor V M Srivastava

**Oruh, Jane Ngozi, BSc(MOUAU), MSc(EbonyiStateU)** ..... *Computer Science*

**Thesis:** Deep Learning Techniques for Automatic Speech Recognition and Classification in Noisy Environment.

**Citation:** The thesis proposed an enhanced deep learning Long Short-Term Memory Recurrent Neural Network (LSTM-RNN) for resolving the challenge with traditional LSTM method which is restricted to processing continuous input streams that are not segmented into sub-sequences. Some CNN-based and sequential models were used on spoken English digits dataset. The proposed LSTM-RNN outperformed other deep learning models with the accuracy of 99.36% on the well-established public benchmark dataset.

**Supervisor:** Professor S Viriri

**Reddy, Kumeshan, BScEng, MScEng** ..... *Electrical Engineering*

**Thesis:** An Investigation into the Utilization of Swarm Intelligence for Control of the DFIG Under the Influence of Symmetrical and Asymmetrical Voltage Dips.

**Citation:** Mr Reddy has investigated applications of intelligent control systems for wind turbine generators under the influence of voltage abnormalities. He has shown various insights on the health and operational aspects of the generator including considerations of grid code. The results showed that investigated techniques and optimization algorithms are very useful in a real-life generator to enhance its operational performance and maintaining its health.

**Supervisor:** Professor AK Saha

**Songa, Maurine Atieno, BScHons(UNairobi), MSc** ..... *Mathematics*

**Thesis:** On the Utilisation of Universal Constructions.

**Citation:** Ms Songa's thesis focused on applications of category theory to computer science, theoretical biology and gravity. She proved the existence of imported limits and colimits in the category of delta lenses, applicable to data base management; demonstrated a sufficiency proof for self-organisation in living systems via monoidally closed categories, including realistic scenarios such as Petri nets and automata; and investigated the categories describing the causal structure of spacetime.

**Supervisors:** Professor G Amery and Professor D Baboolal

- Zondo, Nombuso Pride, BSc, BScHons, MSc** ..... *Statistics*  
 Thesis: Geospatial Analysis of Learner Performance in the National Senior Certificate Mathematics Examination: The Case of the Western Cape Province, South Africa.  
 Citation: The effects of geospatial socioeconomic school quintile type on learner success on the national senior certificate mathematics examination are addressed in her thesis using contemporary statistical data science methods. The findings of her study will help policy makers determine the best assessment technique for capturing each student's abilities because the research problem it addresses is one of national importance. Her contributions to science have been highlighted in prestigious international publications.  
 Supervisors: Professor DE North and Professor TT Zewotir

## MASTERS DEGREES

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### Master of Science

- \* **Achary, Thimershen** ..... *Computer Science*  
 Dissertation: Measuring Online Student Engagement through Pedagogically Framed Learning Analytics.  
 Supervisors: Mr AW Pillay and Dr E Jembere
- Blewett, Sarah Ann** ..... *Computer Science*  
 Dissertation: Measuring Online Student Engagement Through Pedagogically Framed Learning Analytics.  
 Supervisors: Mr AW Pillay and Dr E Jembere
- Cooke, Angelique Gabriella** ..... *Applied Mathematics*  
 Dissertation: The Evolution of Brightest Cluster Galaxies Over the Past 7 billion Years.  
 Supervisor: Professor MJ Hilton
- \* **Dumakude, Aphelele** ..... *Computer Science*  
 Dissertation: Automated Covid-19 Detection System based on Convolutional Neural Networks.  
 Supervisor: Professor AE Ezugwu
- Lukumon, Mariam Sunmbo** ..... *Mathematics*  
 Dissertation: A New Method for Approximating the Solution of a Fixed Point Problem and Optimization Problems.  
 Supervisor: Dr OK Narain

- Molawa**, Kagisano Sylvester .....*Computer Science*  
 Dissertation: Enhanced Deep Learning-Based Face Mask Detection and Social Distance Monitoring System for COVID-19.  
 Supervisors: Professor AE Ezugwu and Dr MO Olusanya
- \* **Olawuyi**, Olushola Festus .....*Computer Science*  
 Dissertation: Plant Diseases Detection and Classification Using Deep Transfer Learning.  
 Supervisor: Professor S Viriri
- α **Onifade**, Olayinka Martins .....*Mathematics*  
 Dissertation: A Different Approach to Solving Split Equality Problems in Banach Spaces.  
 Supervisor: Dr OK Narain
- α **Peter**, Deborah Olaolu .....*Mathematics*  
 Dissertation: Some Convergence Iterative Methods for Approximating Optimization Problems.  
 Supervisor: Dr OK Narain
- \* **Pillay**, Shivani Mahashakti .....*Computer Science*  
 Dissertation: A Multi-Class SWAP-Test Classifier.  
 Supervisors: Professor I Sinayskiy, Professor F Petruccione and Dr E Jembere
- \* **Ragavan**, Damien Cole .....*Applied Mathematics*  
 Dissertation: The Evolution of Galaxies in Sunyaev-Zel'dovich Selected Galaxy Clusters from ACT DR5.  
 Supervisor: Professor MJ Hilton
- α **Singh**, Sumeekha .....*Applied Mathematics*  
 Dissertation: New Cosmological Models in Einstein-Gauss-Bonnet Gravity.  
 Supervisors: Professor SD Maharaj and Dr BP Brassel

## Master of Science in Construction Management

- Khoza**, Samson Henry .....*Construction Management*  
 Dissertation: An Examination of the Prevalence and Effectiveness of Environmental Management Plans as Legal Requirements on Construction Projects in the Area. of eThekweni Municipality KZN  
 Supervisor: Professor TC Haupt

## Master of Science in Data Science

### \* **Beni**, Reshav

Dissertation: A Credit Scoring Model Using Flexible Statistical Modelling.  
Supervisor: Professor S Ramroop

### \* **Chikovore**, Tawonga Jeremiah

Dissertation: Evaluating the Performance of Machine Learning Techniques in Profit-Maximization Pricing and Short-Term Forecasting Using Retail Products.  
Supervisor: Professor K Chinhamu

### **Mthethwa**, Nobuhle Nonjabulo

Dissertation: Estimating the Risk of SARS-COV-2 Deaths Using a Markov Switching-GARCH-Type Model with Heavy-Tailed Distributions for South Africa.  
Supervisors: Professor R Chifurira and Miss N Zondo

### **Nkosi**, Sifundo Sakhile

Dissertation: A Study on Stem Radial Growth of Eucalyptus Tree on the Coastal Zululand of South Africa.  
Supervisor: Professor SF Melesse

### **Ragavaloo**, Yarissa

Dissertation: Topic Modelling and Sentiment Analysis of Tweets Relating to the Attitudes Surrounding Covid-19 Vaccines in South Africa.  
Supervisor: Dr O Bodhlyera

## Master of Science in Engineering

### **Arunakirinathar**, Aravind ..... *Mechanical Engineering*

Dissertation: Analysis of Potential Small Satellite Launch Operations at the Denel Overberg Test Range.  
Supervisors: Professor JP Pitot De La Beaujardiere and Professor MJ Brooks

### \* **Badi Mame**, Antoine ..... *Computer Engineering*

Dissertation: Combining Local Descriptors and Classification Methods for Human Emotion Recognition.  
Supervisor: Professor JR Tapamo

**David, Abayomi Bolarinwa**..... *Civil Engineering*

Dissertation: Investigating Uncertainties in Shear Resistance Prediction of Beams Without Stirrups.

Supervisor: Dr OB Olalusi

**Dijkman, Rebecca-Lynn**..... *Chemical Engineering*

Dissertation: CO2 Solubility Measurements and Modeling in Amine-NMP Solvent Blends.

Supervisors: Professor P Naidoo, Professor WM Nelson and Dr K Osman

**Dlamini, Nosipho**..... *Agricultural Engineering*

Dissertation: Developing Integrated Climate Change Adaptation Strategies Using the Water-Energy-Food Nexus Approach: A Case Study of the Buffalo River Catchment, South Africa.

Supervisors: Dr A Senzanje and Professor T Mabhaudhi

**Duma, Ndumiso Sweetman**..... *Chemical Engineering*

Dissertation: Techno-economic Assessment of Algae Conversion to Biofuels.

Supervisor: Professor AH Mohammadi

**Gumede, Siyabonga Brian**..... *Electrical Engineering*

Dissertation: Optimizing the Protection of an Auto-recloser in a DG Integrated Distribution Network.

Supervisor: Professor AK Saha

\* **Hardman, Timothy James**..... *Computer Engineering*

Dissertation: Tracking of Invasive Plant Species Using Satellite Imaging.

Supervisor: Professor JR Tapamo

**Maharaj, Kiash**..... *Civil Engineering*

Dissertation: An Assessment of the Strength and Durability Characteristics of Recycled Plastic Pavers.

Supervisors: Dr E Friedrich and Dr CH Mcleod

**Mbonane, Sandile Handsum**..... *Electronic Engineering*

Dissertation: Design and Performance Analysis of Class-B Power Amplifier with Double-Gate MOSFET.

Supervisor: Professor V M Srivastava

**Mchunu, Emmanuel Nkosinathi**..... *Chemical Engineering*

Dissertation: Process Simulation and Economic Evaluation of Waste Tyre Pyrolysis for Fuel Production.

Supervisor: Professor AH Mohammadi

**Mchunu, Thandiwe**..... *Chemical Engineering*

Dissertation: Establishment of a Micro-Biorefinery in a Rural Community: Beneficiation of Food Waste into High Value Materials.

Supervisor: Professor BB Sithole

**Mchunu, Vulinhlanhla Salvation** ..... *Mechanical Engineering*

Dissertation: Development of Liquid Propellant Tanks for a Suborbital Launch Vehicle.

Supervisors: Professor JP Pitot De La Beaujardiere and Professor MJ Brooks

\* **Mthethwa, Perm**..... *Agricultural Engineering*

Dissertation: Wind Power Generation and Integration into a Low-Cost Fresh Produce Preservation Technology: A Case of a Renewable Energy Integration into an Evaporative Cooling System.

Supervisors: Professor TS Workneh and Dr A Kassim

**Muledy, Mayembe**..... *Civil Engineering*

Dissertation: Non-Linear Finite Element Analysis on Single Headed Anchor Subjected to Shear Loading in Concrete Compared to Predictive Design Models.

Supervisors: Professor G Drosopoulos, Dr CH Mcleod and Dr OB Olalusi

**Naicker, Salome**..... *Civil Engineering*

Dissertation: The Feasibility of a Network Materials Utilization Plan, with an Emphasis on Upcycling of Material.

Supervisor: Professor M Mostafa Hassan Mostafa

**Naidu, Nirvana** ..... *Mechanical Engineering*

Dissertation: The Rheological Properties of Hard-To-Boil Massecuties.

Supervisors: Professor RC Loubser and Professor S Adali

**Ncube, Thobeka Nonkululeko** ..... *Chemical Engineering*

Dissertation: Optimization and Economic Evaluation of Extractive Distillation.

Supervisor: Professor AH Mohammadi

**Nzengu, Patient Ditunga** ..... *Chemical Engineering*

Dissertation: Biogasoline Production by Catalytic Cracking of Waste Cooking Oil.

Supervisor: Professor AH Mohammadi

**O'Brien, Frances Faith**..... *Chemical Engineering*

Dissertation: Establishing a Bioconversions Process for the Production of Succinic Acid within the South African Sugar Industry.

Supervisor: Professor BB Sithole

**Okem, Eche Samuel**..... *Civil Engineering*

Dissertation: Stabilisation of Base Course Materials with Nanoemulsions.

Supervisor: Professor M Mostafa Hassan Mostafa

**Paideya, Leshalen** ..... *Civil Engineering*

Dissertation: The Optimisation of Baffle Arrangements for Minimal Sediment Washout in Standard Stormwater Sumps.

Supervisors: Professor M Kumarasamy and Dr JT Adu

**Rajkumar, Shivek**..... *Chemical Engineering*

Dissertation: Development of Catalysts for Possible Hydrogenation of Xylose to Xylitol.

Supervisor: Professor BB Sithole

**Ramsoomar, Ashwin**..... *Electrical Engineering*

Dissertation: Sub Transmission Insulator and Conductor Ageing in Coastal Environments.

Supervisor: Dr AG Swanson

**Sheik, Muhammad** ..... *Mechanical Engineering*

Dissertation: Performance Assessment of a Zeolite Heat Store.

Supervisor: Professor GDJ Smith

**Toth, Ashley Dillon**..... *Mechanical Engineering*

Dissertation: Design and Manufacturing Methods for Fused Deposition Modelling in Additive Manufacturing for the South African Railway Industry.

Supervisor: Dr J Padayachee



## Master of Science in Engineering in Waste and Resource Management

### **Mahlamvu, Sandisiwe**

Dissertation: Development of an Integrated Solid Waste Management Plan: The Case Study of Student Residences of PMB Campus, UKZN.

Supervisor: Professor C Trois

### **Rampararat, Asheer**

Dissertation: Techno-Economic and Environmental Comparison of Anaerobic Digestion and Gasification for the Organic Fraction of Municipal Solid Waste in South African Municipalities.

Supervisor: Professor C Trois

## HONOURS DEGREES

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### Bachelor of Science Honours

* <b>Bechoo, Keshav</b> .....	<i>Applied Mathematics</i>
* <b>Bharat, Ricardo</b> .....	<i>Computer Science</i>
* <b>Datharam, Asheel</b> .....	<i>Computer Science</i>
<b>Ebrahim Ismail, Mohammed Osman</b> .....	<i>Applied Mathematics</i>
<b>Francis, Christian</b> .....	<i>Computer Science</i>
<b>Geithrie, Rachael Morgan</b> .....	<i>Computer Science</i>
* <b>Govender, Demisha</b> .....	<i>Computer Science</i>
α <b>Kassie, Tamera</b> .....	<i>Applied Mathematics</i>
<b>Khanyile, Sibonelo Innocent</b> .....	<i>Applied Mathematics</i>
<b>Khumalo, Phangisile Lovemore</b> .....	<i>Applied Mathematics</i>
<b>Lukhozi, Samkeliso</b> .....	<i>Applied Mathematics</i>
* <b>Madhi, Aqeel</b> .....	<i>Computer Science</i>
<b>Mahadeo, Lloyd</b> .....	<i>Mathematics</i>
* <b>Maistry, Brennon</b> .....	<i>Computer Science</i>
<b>Majola, Nkanyiso</b> .....	<i>Statistics</i>
<b>Mjilo, Nkosinathi Vusumuzi</b> .....	<i>Statistics</i>
* <b>Mkhwanazi, Sthembiso Nkosentsha</b> .....	<i>Computer Science</i>
<b>Mngadi, Andile Sibonelo</b> .....	<i>Applied Mathematics</i>
* <b>Mngadi, Siyamthanda Remember</b> .....	<i>Applied Mathematics</i>
α <b>Moodley, Sashen</b> .....	<i>Computer Science</i>
<b>Moodley, Theoshan</b> .....	<i>Computer Science</i>
<b>Moodly, Merwyn</b> .....	<i>Computer Science</i>

* <b>Mthembu</b> , Siyethemba Sibusisiwe.....	<i>Statistics</i>
<b>Mzimela</b> , Lusanda Nomfundo .....	<i>Mathematics</i>
α <b>Naicker</b> , Chanlin .....	<i>Statistics</i>
* <b>Naicker</b> , Jo-Neil Jesse .....	<i>Computer Science</i>
<b>Naidoo</b> , Benjamin .....	<i>Computer Science</i>
α <b>Naidoo</b> , Shaylin.....	<i>Statistics</i>
α <b>Naidu</b> , Kivashen.....	<i>Computer Science</i>
<b>Ndlovu</b> , Ayanda Thembelihle.....	<i>Statistics</i>
<b>Ngcobo</b> , Kwanele .....	<i>Statistics</i>
<b>Ngcobo</b> , Zamokuhle Peaceful.....	<i>Statistics</i>
<b>Ngobese</b> , Thubelihle Neliswa .....	<i>Statistics</i>
<b>Nkosi</b> , Nonjabulo Nompumelelo .....	<i>Statistics</i>
<b>Nxumalo</b> , Luthando .....	<i>Computer Science</i>
<b>Nxumalo</b> , Thobekile Nontethelelo.....	<i>Statistics</i>
α <b>Papiah</b> , Tasmiya.....	<i>Applied Mathematics</i>
<b>Phewa</b> , Lungelo .....	<i>Statistics</i>
α <b>Pillay</b> , Juhaim.....	<i>Computer Science</i>
* <b>Pillay</b> , Kamlin Kisten .....	<i>Computer Science</i>
* <b>Ramlall</b> , Katelyn Annabel .....	<i>Computer Science</i>
<b>Reddy</b> , Kailin.....	<i>Computer Science</i>
<b>Ronald</b> , Chantal .....	<i>Computer Science</i>
<b>Shandu</b> , Fundiswa Patience.....	<i>Statistics</i>
<b>Singh</b> , Viren.....	<i>Statistics</i>
<b>Sithole</b> , Mlondi.....	<i>Statistics</i>
* <b>Sumaraj</b> , Kavir .....	<i>Mathematics</i>
<b>Xaba</b> , Sethemba Menelisi.....	<i>Statistics</i>

## BACHELORS DEGREES

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### Bachelor of Science in Engineering (Agricultural Engineering)

<b>Khumalo</b> , Melusi.....	<i>Agricultural Engineering</i>
<b>Lubanyana</b> , Sphelele.....	<i>Agricultural Engineering</i>
<b>Masha</b> , Dikgamanyane Lettie.....	<i>Agricultural Engineering</i>
<b>Mlaba</b> , Nduduzo Hlanganiso.....	<i>Agricultural Engineering</i>
<b>Mothiba</b> , Koena.....	<i>Agricultural Engineering</i>
<b>Mthembu</b> , Aspire Ntokozo.....	<i>Agricultural Engineering</i>
<b>Ntshangase</b> , Zothile .....	<i>Agricultural Engineering</i>
* <b>Piek</b> , Jared.....	<i>Agricultural Engineering</i>

<b>Sikhakhane</b> , Khanyisani Hlokomani.....	<i>Agricultural Engineering</i>
<b>Singwane</b> , Bheki.....	<i>Agricultural Engineering</i>
<b>Thabethe</b> , Thulebona Handsome.....	<i>Agricultural Engineering</i>
<b>Zimu</b> , Nokwazi Ashley.....	<i>Agricultural Engineering</i>

## **Bachelor of Science in Engineering (Chemical Engineering)**

<b>Abdool Kader</b> , Muhammad Waaris.....	<i>Chemical Engineering</i>
<b>Amichund</b> , Samishka.....	<i>Chemical Engineering</i>
<b>Asmall</b> , Asma.....	<i>Chemical Engineering</i>
<b>Beerbal</b> , Rakeel.....	<i>Chemical Engineering</i>
<b>Betchan</b> , Aathish.....	<i>Chemical Engineering</i>
<b>Brijlal</b> , Sonal.....	<i>Chemical Engineering</i>
<b>Chaitram</b> , Yashalia.....	<i>Chemical Engineering</i>
<b>Chetty</b> , Celine Tierra.....	<i>Chemical Engineering</i>
* <b>Chetty</b> , Theveshan.....	<i>Chemical Engineering</i>
<b>Deodhari</b> , Akeera.....	<i>Chemical Engineering</i>
<b>Deonarain</b> , Kavitha.....	<i>Chemical Engineering</i>
<b>Desraj</b> , Kyle Ryan.....	<i>Chemical Engineering</i>
<b>Dlamini</b> , Bathandwa.....	<i>Chemical Engineering</i>
<b>Ebrahim Omar</b> , Sawleha.....	<i>Chemical Engineering</i>
<b>Ganapathie</b> , Adheesh.....	<i>Chemical Engineering</i>
<b>Goolam</b> , Muhammad Saahir.....	<i>Chemical Engineering</i>
<b>Gounder</b> , Netania.....	<i>Chemical Engineering</i>
<b>Govender</b> , Mckylan Valentine.....	<i>Chemical Engineering</i>
<b>Govender</b> , Nemishka.....	<i>Chemical Engineering</i>
<b>Hajee</b> , Sabeeha.....	<i>Chemical Engineering</i>
<b>Haripersaad</b> , Shiven.....	<i>Chemical Engineering</i>
<b>Jagdoe</b> , Abhay.....	<i>Chemical Engineering</i>
<b>Jhazbhai</b> , Mishka.....	<i>Chemical Engineering</i>
<b>Joshua</b> , Emilio Rylan.....	<i>Chemical Engineering</i>
<b>Khwashube</b> , Lindokuhle.....	<i>Chemical Engineering</i>
<b>Koeberg</b> , Leyah Atara.....	<i>Chemical Engineering</i>
<b>Lempe</b> , Keabaka.....	<i>Chemical Engineering</i>
<b>Limalia</b> , Aaliah.....	<i>Chemical Engineering</i>
<b>Lutchman</b> , Jarriel Reeve.....	<i>Chemical Engineering</i>
* <b>Mahomed</b> , Zuhairaa.....	<i>Chemical Engineering</i>
<b>Majola</b> , Thandiswa Lynette.....	<i>Chemical Engineering</i>
<b>Mavundla</b> , Sinenhlanhla Ntombenhle.....	<i>Chemical Engineering</i>
<b>Mbokazi</b> , Sinenhlanhla Prudence.....	<i>Chemical Engineering</i>
<b>Mdluli</b> , Minenhle Nolwazi.....	<i>Chemical Engineering</i>

<b>Mohlala</b> , Basetsana Hope.....	<i>Chemical Engineering</i>
<b>Moodley</b> , Krivolin.....	<i>Chemical Engineering</i>
* <b>Moonilal</b> , Aashish.....	<i>Chemical Engineering</i>
<b>Mthala</b> , Mncedisi.....	<i>Chemical Engineering</i>
<b>Mthanti</b> , Nhlakanipho Tom.....	<i>Chemical Engineering</i>
<b>Mushanganyisi</b> , Rotondwa.....	<i>Chemical Engineering</i>
<b>Mvubu</b> , Nosihle.....	<i>Chemical Engineering</i>
<b>Naidoo</b> , Durante Emil.....	<i>Chemical Engineering</i>
<b>Naidoo</b> , Dylan.....	<i>Chemical Engineering</i>
<b>Naidoo</b> , Lishen.....	<i>Chemical Engineering</i>
<b>Naidu</b> , Kerisha.....	<i>Chemical Engineering</i>
<b>Naidu</b> , Preolan.....	<i>Chemical Engineering</i>
<b>Naidu</b> , Sashka.....	<i>Chemical Engineering</i>
<b>Nathaniel</b> , Macyla Louise.....	<i>Chemical Engineering</i>
<b>Ndlovu</b> , Sakhile Collen.....	<i>Chemical Engineering</i>
<b>Ndlovu</b> , Samkelisiwe Sinenhlahla.....	<i>Chemical Engineering</i>
<b>Ngcobo</b> , Thembela Manqoba.....	<i>Chemical Engineering</i>
<b>Ngidi</b> , Nqobile.....	<i>Chemical Engineering</i>
<b>Owthar</b> , Aditi.....	<i>Chemical Engineering</i>
<b>Pather</b> , Tristan Nicholas.....	<i>Chemical Engineering</i>
<b>Pather</b> , Yashlen.....	<i>Chemical Engineering</i>
<b>Phembeshiya</b> , Iviwe.....	<i>Chemical Engineering</i>
<b>Pillay</b> , Mishendran.....	<i>Chemical Engineering</i>
<b>Pillay</b> , Preashnee.....	<i>Chemical Engineering</i>
<b>Rahim</b> , Dominique Chloe.....	<i>Chemical Engineering</i>
<b>Ram</b> , Akshara.....	<i>Chemical Engineering</i>
<b>Ramjan</b> , Mohammed Huzair Reshaad.....	<i>Chemical Engineering</i>
<b>Roopnarian</b> , Yatra.....	<i>Chemical Engineering</i>
<b>Sam Wajuihian</b> , Oghogho Favour Irene.....	<i>Chemical Engineering</i>
<b>Sevprasad</b> , Sanjana.....	<i>Chemical Engineering</i>
<b>Sheik Moideen</b> , Mikayla.....	<i>Chemical Engineering</i>
<b>Shozi</b> , Nokwanda Precious.....	<i>Chemical Engineering</i>
<b>Singh</b> , Ashlene.....	<i>Chemical Engineering</i>
<b>Singh</b> , Keesha.....	<i>Chemical Engineering</i>
<b>Singh</b> , Kivasha.....	<i>Chemical Engineering</i>
<b>Singh</b> , Marcellus Krislene.....	<i>Chemical Engineering</i>
<b>Singh</b> , Nikisha.....	<i>Chemical Engineering</i>
<b>Sithebe</b> , Vumile Eric.....	<i>Chemical Engineering</i>
<b>Sotswayi</b> , Bezile.....	<i>Chemical Engineering</i>
<b>Suleman</b> , Shezaad.....	<i>Chemical Engineering</i>
<b>Vishnu</b> , Calista Adriel.....	<i>Chemical Engineering</i>
<b>Zondi</b> , Phumlile.....	<i>Chemical Engineering</i>

## Bachelor of Science in Engineering (Civil Engineering)

* <b>Agjee</b> , Muhammad Hoosen .....	<i>Civil Engineering</i>
<b>Appalsami</b> , Anura Neerasha .....	<i>Civil Engineering</i>
<b>Cebani</b> , Sfundo .....	<i>Civil Engineering</i>
<b>Chetty</b> , Divolen .....	<i>Civil Engineering</i>
<b>Chetty</b> , Prinell .....	<i>Civil Engineering</i>
<b>Chili</b> , Minenhle Philasande .....	<i>Civil Engineering</i>
<b>Davalall</b> , Luveer .....	<i>Civil Engineering</i>
<b>Dayanand</b> , Aishwariya .....	<i>Civil Engineering</i>
<b>Dhooma</b> , Yusuf .....	<i>Civil Engineering</i>
<b>Dladla</b> , Thobani Nelson .....	<i>Civil Engineering</i>
<b>Dlamini</b> , Kwandile .....	<i>Civil Engineering</i>
<b>Dlamini</b> , Lindokuhle .....	<i>Civil Engineering</i>
<b>Dube</b> , Zenani Candice Nomzamo .....	<i>Civil Engineering</i>
<b>Gounder</b> , Ruvanya .....	<i>Civil Engineering</i>
<b>Govender</b> , Kaylan .....	<i>Civil Engineering</i>
<b>Govender</b> , Selecia Petrina .....	<i>Civil Engineering</i>
<b>Govender</b> , Shivani .....	<i>Civil Engineering</i>
<b>Gumede</b> , Mxolisi .....	<i>Civil Engineering</i>
<b>Hirwa</b> , Esperance Munezero .....	<i>Civil Engineering</i>
<b>Hlophe</b> , Buhlebezwe Richardson .....	<i>Civil Engineering</i>
<b>Iyer</b> , Shamay .....	<i>Civil Engineering</i>
α <b>Kemraj</b> , Yasthiel .....	<i>Civil Engineering</i>
<b>Khumalo</b> , Ntethelelo Jabulani .....	<i>Civil Engineering</i>
<b>Kibiti</b> , Tokelo Jeanett .....	<i>Civil Engineering</i>
<b>Kunene</b> , Sandile .....	<i>Civil Engineering</i>
<b>Magwaza</b> , Thuthukani Thalente .....	<i>Civil Engineering</i>
<b>Mamhende</b> , Patrick Tafadzwa .....	<i>Civil Engineering</i>
<b>Maphumulo</b> , Nhlakanipho Bongumusa .....	<i>Civil Engineering</i>
<b>Mbatha</b> , Siyabonga Nkosenhle .....	<i>Civil Engineering</i>
<b>Mbewu</b> , Musawenkosi Sunnyboy .....	<i>Civil Engineering</i>
<b>Mchunu</b> , Avela Luyanda .....	<i>Civil Engineering</i>
<b>Mkhabela</b> , Ningi Bongiwe .....	<i>Civil Engineering</i>
<b>Moodley</b> , Sunthiran .....	<i>Civil Engineering</i>
<b>Motaung</b> , Thabiso Clifford .....	<i>Civil Engineering</i>
<b>Mthethwa</b> , Wandile Nkosinomusa Simphiwe .....	<i>Civil Engineering</i>
<b>Mtsenga</b> , Promise Mikateko .....	<i>Civil Engineering</i>
<b>Mudaly</b> , Shiven Dailan .....	<i>Civil Engineering</i>
<b>Naidoo</b> , Ronaldo David .....	<i>Civil Engineering</i>
<b>Naidoo</b> , Theyen .....	<i>Civil Engineering</i>
<b>Ndebele</b> , Bukani .....	<i>Civil Engineering</i>

<b>Ndlangamandla, Vusi Sunnyboy</b> .....	<i>Civil Engineering</i>
<b>Ndlangamandla, Wiseman Thembinkosi</b> .....	<i>Civil Engineering</i>
<b>Ndlela, Ntando Ka-Sompisi</b> .....	<i>Civil Engineering</i>
<b>Ngeleka, Alungile</b> .....	<i>Civil Engineering</i>
<b>Ngubane, Siphesihle Goodman</b> .....	<i>Civil Engineering</i>
<b>Ntabeni, Onwaba</b> .....	<i>Civil Engineering</i>
<b>Ntshangase, Lungani Sizwe</b> .....	<i>Civil Engineering</i>
<b>Ntuli, Wamkelwe Mduduzi</b> .....	<i>Civil Engineering</i>
<b>Nyathi, Mhlengi Siyabonga</b> .....	<i>Civil Engineering</i>
<b>Nyawose, Bulelani Phineas</b> .....	<i>Civil Engineering</i>
<b>Oodith, Dinesh</b> .....	<i>Civil Engineering</i>
<b>Padayachee, Genevive</b> .....	<i>Civil Engineering</i>
<b>Padayachee, Kelsey</b> .....	<i>Civil Engineering</i>
<b>Pillay, Denzel</b> .....	<i>Civil Engineering</i>
<b>Pillay, Kayleen</b> .....	<i>Civil Engineering</i>
<b>Reddy, Yuven</b> .....	<i>Civil Engineering</i>
<b>Sewnundan, Rivesh Dheendayal</b> .....	<i>Civil Engineering</i>
<b>Shezi, Lungisani Eric</b> .....	<i>Civil Engineering</i>
<b>Singh, Makaira</b> .....	<i>Civil Engineering</i>
<b>Singh, Smrithi</b> .....	<i>Civil Engineering</i>
<b>Sosibo, Nosipho Gugu</b> .....	<i>Civil Engineering</i>
<b>Woolganathan, Koval Keane</b> .....	<i>Civil Engineering</i>
<b>Xhoba, Andile Nhlanhleni</b> .....	<i>Civil Engineering</i>
<b>Zondi, Nhlalwenhle</b> .....	<i>Civil Engineering</i>

## **Bachelor of Science in Engineering (Computer Engineering)**

<b>Abu Raas, Abdulrahman Abdulraziq Ali</b> .....	<i>Computer Engineering</i>
<b>Anath, Shuaib</b> .....	<i>Computer Engineering</i>
<b>Chetty, Macayle</b> .....	<i>Computer Engineering</i>
<b>Gungabisson, Sahish Dayanand</b> .....	<i>Computer Engineering</i>
<b>Kunene, Mthobisi Gift</b> .....	<i>Computer Engineering</i>
<b>Mthembu, Thabisile Ntokozo</b> .....	<i>Computer Engineering</i>
<b>Myeni, Khethelo Diploma</b> .....	<i>Computer Engineering</i>
<b>Naidoo, Benjamin</b> .....	<i>Computer Engineering</i>
<b>Naidoo, Sumen</b> .....	<i>Computer Engineering</i>
<b>Ngubane, Thokozani</b> .....	<i>Computer Engineering</i>
<b>Poonsamy, Thirushen</b> .....	<i>Computer Engineering</i>
<b>Seetal, Kasish</b> .....	<i>Computer Engineering</i>

## Bachelor of Science in Engineering (Electrical Engineering)

<b>Buthelezi</b> , Nomathemba .....	<i>Electrical Engineering</i>
<b>Cebekhulu</b> , Lindokuhle .....	<i>Electrical Engineering</i>
<b>Dlamini</b> , Sebenzile.....	<i>Electrical Engineering</i>
<b>Foord</b> , Chayton .....	<i>Electrical Engineering</i>
<b>Gounder</b> , Layani .....	<i>Electrical Engineering</i>
<b>Govender</b> , Merkeshan Tristan .....	<i>Electrical Engineering</i>
<b>Govender</b> , Preneesa .....	<i>Electrical Engineering</i>
<b>Haggie</b> , Callum.....	<i>Electrical Engineering</i>
<b>Khumalo</b> , Lungelo Innocent.....	<i>Electrical Engineering</i>
<b>Kubheka</b> , Njabulo Thandokuhle.....	<i>Electrical Engineering</i>
<b>Langa</b> , Nduduzo Wiseman .....	<i>Electrical Engineering</i>
<b>Magubane</b> , Funokwakhe Magic .....	<i>Electrical Engineering</i>
<b>Mashamba</b> , Mukundi .....	<i>Electrical Engineering</i>
<b>Mbambo</b> , Sphamandla.....	<i>Electrical Engineering</i>
<b>Mbungela</b> , Zakhele Lucky.....	<i>Electrical Engineering</i>
<b>Mhlelembana</b> , Yanelisa .....	<i>Electrical Engineering</i>
<b>Mothilall</b> , Shane .....	<i>Electrical Engineering</i>
<b>Msweli</b> , Minenhle.....	<i>Electrical Engineering</i>
<b>Mtungwa</b> , Lindelani Duncan.....	<i>Electrical Engineering</i>
<b>Munyai</b> , Vhushavhelo David.....	<i>Electrical Engineering</i>
<b>Naidoo</b> , Zachary Jose.....	<i>Electrical Engineering</i>
<b>Ndimande</b> , Hleziphi Zodwa.....	<i>Electrical Engineering</i>
<b>Ngwenya</b> , Amanda Promise .....	<i>Electrical Engineering</i>
<b>Nkabinde</b> , Hope Senzo .....	<i>Electrical Engineering</i>
<b>Ntombela</b> , Sphiwe Njabulo .....	<i>Electrical Engineering</i>
<b>Nxumalo</b> , Mvuyo.....	<i>Electrical Engineering</i>
<b>Nxumalo</b> , Sibongakonke Errol.....	<i>Electrical Engineering</i>
<b>Pather</b> , Thana.....	<i>Electrical Engineering</i>
<b>Pillay</b> , Mercia.....	<i>Electrical Engineering</i>
<b>Qegwana</b> , Yongama.....	<i>Electrical Engineering</i>
<b>Radebe</b> , Sanele Percival.....	<i>Electrical Engineering</i>
<b>Radebe</b> , Siyabonga Cyril.....	<i>Electrical Engineering</i>
<b>Reddy</b> , Shivek.....	<i>Electrical Engineering</i>
<b>Sigidi</b> , Lutho.....	<i>Electrical Engineering</i>
<b>Singh</b> , Sachin Kumar .....	<i>Electrical Engineering</i>
<b>Singh</b> , Trimira.....	<i>Electrical Engineering</i>
<b>Sithomo</b> , Xolile.....	<i>Electrical Engineering</i>
<b>Soni</b> , Renaldo Ricardo.....	<i>Electrical Engineering</i>
<b>Xelelo</b> , Sinovuyo .....	<i>Electrical Engineering</i>
<b>Zulu</b> , Philisiwe.....	<i>Electrical Engineering</i>

## Bachelor of Science in Engineering (Electronic Engineering)

<b>De Meyer</b> , Nathan Timvelo Bernard .....	<i>Electronic Engineering</i>
<b>Ebrahim</b> , Nabil .....	<i>Electronic Engineering</i>
<b>Gangadeya</b> , Amit .....	<i>Electronic Engineering</i>
<b>Govender</b> , Shivan Raveshlan .....	<i>Electronic Engineering</i>
<b>Govender</b> , Viashen .....	<i>Electronic Engineering</i>
<b>Hlabisa</b> , Sanele .....	<i>Electronic Engineering</i>
<b>Kara</b> , Nabeel Mahomed .....	<i>Electronic Engineering</i>
<b>Khuboni</b> , Mpumelelo .....	<i>Electronic Engineering</i>
<b>Lorenzo</b> , Janae Danielle .....	<i>Electronic Engineering</i>
<b>Naidoo</b> , Kesevan .....	<i>Electronic Engineering</i>
<b>Ngwenya</b> , Linda .....	<i>Electronic Engineering</i>
<b>Ntunja</b> , Wendy .....	<i>Electronic Engineering</i>
<b>Ramdeo</b> , Joshua Tristan .....	<i>Electronic Engineering</i>
<b>Ramesar</b> , Kailash Rajesh .....	<i>Electronic Engineering</i>
<b>Sookoo</b> , Kameer-Yadav .....	<i>Electronic Engineering</i>
<b>Tladi</b> , Lebohng .....	<i>Electronic Engineering</i>

## Bachelor of Science in Engineering (Mechanical Engineering)

<b>Bacus</b> , Muhammad Ata-Ullah .....	<i>Mechanical Engineering</i>
<b>Bhagwandin</b> , Sahil .....	<i>Mechanical Engineering</i>
<b>Dladla</b> , Lwazi Concect .....	<i>Mechanical Engineering</i>
* <b>Essa</b> , Yusuf .....	<i>Mechanical Engineering</i>
<b>Gafoor</b> , Mohammed Wasim .....	<i>Mechanical Engineering</i>
<b>Gcwabe</b> , Lerato Promise .....	<i>Mechanical Engineering</i>
<b>Gessen</b> , Prien Akhil .....	<i>Mechanical Engineering</i>
<b>Govender</b> , Dharshana .....	<i>Mechanical Engineering</i>
<b>Govender</b> , Evashnee .....	<i>Mechanical Engineering</i>
<b>Govender</b> , Merslin .....	<i>Mechanical Engineering</i>
<b>Govender</b> , Preshaylin Darshan .....	<i>Mechanical Engineering</i>
<b>Govender</b> , Prialen .....	<i>Mechanical Engineering</i>
<b>Gqibani</b> , Lisakhanya Abulele .....	<i>Mechanical Engineering</i>
<b>Ismail Abdoola</b> , Fayyaaz .....	<i>Mechanical Engineering</i>
<b>Jeewanlall</b> , Kalesh .....	<i>Mechanical Engineering</i>
<b>Kaka</b> , Bilal .....	<i>Mechanical Engineering</i>
<b>Kalipersad</b> , Yuvika .....	<i>Mechanical Engineering</i>
<b>Khalid</b> , Ashar Bin .....	<i>Mechanical Engineering</i>
<b>Khan</b> , Alaika .....	<i>Mechanical Engineering</i>
<b>Khan</b> , Muhammad Elyaas .....	<i>Mechanical Engineering</i>



<b>Khanyile</b> , Zethembiso .....	<i>Mechanical Engineering</i>
<b>Khoza</b> , Thelumusa Mthokozisi .....	<i>Mechanical Engineering</i>
<b>Khuzwayo</b> , Nkosingiphile Karl .....	<i>Mechanical Engineering</i>
<b>Lalla</b> , Kriti .....	<i>Mechanical Engineering</i>
<b>Madlala</b> , Khayelihle Michael .....	<i>Mechanical Engineering</i>
<b>Maharaj</b> , Kiara .....	<i>Mechanical Engineering</i>
<b>Maharaj</b> , Nithesh .....	<i>Mechanical Engineering</i>
<b>Mbewana</b> , Ntshisekelo Ndiphiwe .....	<i>Mechanical Engineering</i>
<b>Mbewu</b> , Ovuyonke .....	<i>Mechanical Engineering</i>
<b>Mchunu</b> , Lindokuhle .....	<i>Mechanical Engineering</i>
<b>Mchunu</b> , Muziwamandla Samkelo .....	<i>Mechanical Engineering</i>
<b>Msomi</b> , Sanele .....	<i>Mechanical Engineering</i>
<b>Mthembu</b> , Derrick .....	<i>Mechanical Engineering</i>
<b>Murugan</b> , Gabrielle Kayla .....	<i>Mechanical Engineering</i>
<b>Naidoo</b> , Cyle Junior .....	<i>Mechanical Engineering</i>
<b>Naidoo</b> , Kiara .....	<i>Mechanical Engineering</i>
<b>Ndawonde</b> , Thembinkosi Qiniso .....	<i>Mechanical Engineering</i>
<b>Ngiba</b> , Nompumelelo Nhlanhlo .....	<i>Mechanical Engineering</i>
<b>Ngomane</b> , Prince Sydney .....	<i>Mechanical Engineering</i>
$\alpha$ <b>Odayan</b> , Rylan .....	<i>Mechanical Engineering</i>
* <b>Osman</b> , Naseerah .....	<i>Mechanical Engineering</i>
<b>Padia</b> , Tahil .....	<i>Mechanical Engineering</i>
<b>Pillay</b> , Isabel Alison .....	<i>Mechanical Engineering</i>
* <b>Pillay</b> , Joseph Paul .....	<i>Mechanical Engineering</i>
<b>Pillay</b> , Sheraize .....	<i>Mechanical Engineering</i>
* <b>Poisson</b> , Andrew .....	<i>Mechanical Engineering</i>
<b>Qadi</b> , Asanda .....	<i>Mechanical Engineering</i>
<b>Rajkumar</b> , Yashveer .....	<i>Mechanical Engineering</i>
<b>Ramasis</b> , Ajeeth Yashveer .....	<i>Mechanical Engineering</i>
<b>Ravinath</b> , Jared .....	<i>Mechanical Engineering</i>
<b>Reddy</b> , Mohlesh .....	<i>Mechanical Engineering</i>
* <b>Sewsunker</b> , Karina .....	<i>Mechanical Engineering</i>
<b>Shaik</b> , Muhammed Javed .....	<i>Mechanical Engineering</i>
<b>Shelembe</b> , Mndeni Khabanhle .....	<i>Mechanical Engineering</i>
<b>Sibanda</b> , Bandile Emmanuel .....	<i>Mechanical Engineering</i>
$\alpha$ <b>Silver</b> , Jordan .....	<i>Mechanical Engineering</i>
<b>Singh</b> , Ashnil Rajah .....	<i>Mechanical Engineering</i>
<b>Singh</b> , Timica .....	<i>Mechanical Engineering</i>
<b>Sithole</b> , Nonhlanhla Ntando .....	<i>Mechanical Engineering</i>
<b>Songunzu</b> , Lunga .....	<i>Mechanical Engineering</i>
<b>Suleman</b> , Umar .....	<i>Mechanical Engineering</i>

## Bachelor of Science in Land Surveying

**Mahlangu**, Nkosinathi Sandile

**Makola**, Frans Mphoreng

**Malamule**, Ephrate Sonsi

**Ndwandwe**, Nhlanhla

## Bachelor of Science

<b>Adkins</b> , Aphelele.....	<i>Computer Sc And Information Technology</i>
<b>Ally</b> , Mahomed Aadil.....	<i>Computer Sc And Information Technology</i>
<b>Andela Eyono</b> , Ian Nathan.....	<i>Economics, Statistics</i>
* <b>Baboolal</b> , Sanvir.....	<i>Computer Science, Statistics</i>
<b>Banda</b> , Edward Khumbulani.....	<i>Computer Science, Statistics</i>
α <b>Barath</b> , Callyn Blayne.....	<i>Computer Science, Statistics</i>
<b>Beeput</b> , Akilesh.....	<i>Applied Mathematics, Statistics</i>
<b>Biyela</b> , Mziwenkosi Mlindeni.....	<i>Applied Mathematics, Mathematics</i>
α <b>Brijmohan</b> , Tahir.....	<i>Computer Sc And Information Technology</i>
α <b>Chetty</b> , Holisha.....	<i>Computer Science, Statistics</i>
<b>Chetty</b> , Kaylene.....	<i>Computer Sc And Information Technology</i>
<b>Chiyi</b> , Phiwokuhle Polite.....	<i>Applied Mathematics, Statistics</i>
<b>Colidiza</b> , Bonga.....	<i>Computer Science, Data Science, Statistics</i>
<b>Davidson</b> , Kenan Nosagie Osamagbe.....	<i>Applied Mathematics, Mathematics</i>
* <b>Dayaram</b> , An'Jana Kirthi Ukti.....	<i>Computer Sc And Information Technology</i>
<b>Dhirajjal Dayal</b> , Vishani.....	<i>Computer Science</i>
<b>Dimema</b> , Karabo.....	<i>Mathematics, Statistics</i>
<b>Dladla</b> , Thembelihle Nozipho.....	<i>Applied Mathematics, Statistics</i>
<b>Dlamini</b> , Kgotsotalang.....	<i>Applied Mathematics, Statistics</i>
<b>Dlamini</b> , Nqobile Sthembile.....	<i>Applied Mathematics, Statistics</i>
<b>Dlamini</b> , Smanga.....	<i>Computer Sc And Information Technology</i>
<b>Dlamini</b> , Sthembile Michelle.....	<i>Applied Mathematics, Statistics</i>
<b>Dube</b> , Bubele.....	<i>Computer Sc And Information Technology</i>
<b>Funeka</b> , Mcebisi Nkosinathi.....	<i>Applied Mathematics, Statistics</i>
α <b>Ganesh</b> , Revlen.....	<i>Computer Science, Statistics</i>
<b>Gangiah</b> , Thamaine.....	<i>Computer Sc And Information Technology</i>
<b>Gasa</b> , Nolwazi.....	<i>Applied Mathematics, Statistics</i>
<b>Gcokwana</b> , Sinazo.....	<i>Computer Sc And Information Technology</i>
<b>Goge</b> , Simakahle Nonkululeko.....	<i>Computer Sc And Information Technology</i>
α <b>Gounden</b> , Sivesha.....	<i>Computer Sc And Information Technology</i>
<b>Govender</b> , Adelene Kirsty.....	<i>Mathematics, Statistics</i>
α <b>Govender</b> , Damian Dylan.....	<i>Computer Sc And Information Technology</i>

<b>Govender, Joash</b> .....	<i>Computer Sc And Information Technology</i>
<b>α Govender, Rionna Patricia</b> .....	<i>Computer Sc And Information Technology</i>
<b>Govender, Yadhasia</b> .....	<i>Computer Sc And Information Technology</i>
<b>Gumede, Luyanda Siyabonga</b> .....	<i>Computer Science, Mathematics</i>
<b>Gumede, S'Hlangu Sabelo</b> .....	<i>Computer Sc And Information Technology</i>
<b>Gumede, Tsepo Phiwayinkosi</b> .....	<i>Computer Sc And Information Technology</i>
<b>Gwala, Sipho Hlela Joseph</b> .....	<i>Data Science</i>
<b>Gwala, Thobani Sibonakaliso</b> .....	<i>Applied Mathematics, Mathematics</i>
<b>Haniff, Mohamed Aqeel</b> .....	<i>Computer Sc And Information Technology</i>
<b>* Harichand, Yurish</b> .....	<i>Applied Mathematics, Physics</i>
<b>Harrison, Tayla Jessica</b> .....	<i>Computer Sc And Information Technology</i>
<b>Hlongwa, Ntobeko Peaceful</b> .....	<i>Computer Science, Statistics</i>
<b>Hlongwane, Ngcebo Bright</b> .....	<i>Computer Sc And Information Technology</i>
<b>Hoosen, Husnaa Bibi</b> .....	<i>Computer Sc And Information Technology</i>
<b>Hoosen, Laeeqa</b> .....	<i>Computer Sc And Information Technology</i>
<b>α Inderparsad, Yadhira</b> .....	<i>Computer Sc And Information Technology</i>
<b>α Ireland, James</b> .....	<i>Economics, Mathematics</i>
<b>α Isaac, Jacqueline Tamara</b> .....	<i>Economics, Mathematics, Statistics</i>
<b>* Ismail, Aqeela</b> .....	<i>Computer Sc And Information Technology</i>
<b>Ismail, Mohammed Zaffar</b> .....	<i>Computer Sc And Information Technology</i>
<b>Jamjam, Xolisani</b> .....	<i>Computer Science, Statistics</i>
<b>* Kajee, Aziza Sulaiman</b> .....	<i>Computer Sc And Information Technology</i>
<b>Kambula, Nkanyiso Thobani</b> .....	<i>Applied Mathematics, Economics</i>
<b>Khumalo, Nonjabulo Felicity</b> .....	<i>Applied Mathematics, Statistics</i>
<b>α Khuzwayo, Minenhle Sthembiso</b> .....	<i>Computer Science, Statistics</i>
<b>khuzwayo, Thabile</b> .....	<i>Mathematics, Statistics</i>
<b>Kubheka, Thabang Mxolisi</b> .....	<i>Computer Sc And Information Technology</i>
<b>Kumalo, Khanyisani</b> .....	<i>Applied Mathematics, Statistics</i>
<b>Kunene, Siboniso Fortune</b> .....	<i>Economics, Mathematics</i>
<b>α Lazarus, Geri Leigh</b> .....	<i>Mathematics, Statistics</i>
<b>Linda, Sphelele</b> .....	<i>Computer Sc And Information Technology</i>
<b>Lochan, Avasha</b> .....	<i>Computer Sc And Information Technology</i>
<b>α Madhanjith, Aryan</b> .....	<i>Computer Sc And Information Technology</i>
<b>Madhunlall, Aavishkar</b> .....	<i>Applied Mathematics, Astronomy</i>
<b>Madiba, Dumo Sikhunjulwe</b> .....	<i>Computer Sc And Information Technology</i>
<b>Madlala, Sanele Mlungisi</b> .....	<i>Computer Sc And Information Technology</i>
<b>Madondo, Siyanda Nqobile</b> .....	<i>Applied Mathematics, Mathematics</i>
<b>Magubane, Mongezi</b> .....	<i>Applied Mathematics, Mathematics</i>
<b>Mahlawule, Delron</b> .....	<i>Computer Sc And Information Technology</i>
<b>Majeed, Fuzail</b> .....	<i>Computer Science, Data Science</i>
<b>Makhombothi, Nhlakanipho Wiseman</b> .....	<i>Computer Sc And Information Technology</i>
<b>Makhubu, Siyabonga Siphokuhle</b> .....	<i>Computer Sc And Information Technology</i>

* <b>Makhunga</b> , Sifanele Ike .....	<i>Applied Mathematics, Statistics</i>
<b>Manickum</b> , Clemence Diego.....	<i>Computer Sc And Information Technology</i>
<b>Manickum</b> , Randal Shalin.....	<i>Computer Sc And Information Technology</i>
<b>Manyathi</b> , Snothile Luyanda .....	<i>Applied Mathematics, Chemistry</i>
<b>Marimuthu</b> , Liam Corwin.....	<i>Computer Sc And Information Technology</i>
<b>Masondo</b> , Mondli.....	<i>Computer Sc And Information Technology</i>
<b>Masondo</b> , Nomvuzo Skhulile .....	<i>Computer Sc And Information Technology</i>
<b>Mathaba</b> , Noluvo Nobuhle.....	<i>Computer Science, Statistics</i>
<b>Mbatha</b> , Thandiwe Nompumelelo .....	<i>Computer Sc And Information Technology</i>
<b>Mbonambi</b> , Mpumelelo Trueman .....	<i>Computer Sc And Information Technology</i>
<b>Mbongozi</b> , Yonela Concillia .....	<i>Applied Mathematics, Statistics</i>
<b>Mdingi</b> , Nkosiphendule .....	<i>Computer Sc And Information Technology</i>
<b>Mdletshe</b> , Bhekani Siphesihle.....	<i>Computer Sc And Information Technology</i>
<b>Mdletshe</b> , Ntokozo Balungile.....	<i>Applied Mathematics, Statistics</i>
<b>Mdluli</b> , Mduduzi Lindelani .....	<i>Applied Mathematics, Statistics</i>
<b>Memela</b> , Londeka .....	<i>Computer Sc And Information Technology</i>
<b>Mfokofi</b> , Nsindiso Prince.....	<i>Computer Sc And Information Technology</i>
<b>Mfusi</b> , Samukelo Comfort.....	<i>Computer Sc And Information Technology</i>
<b>Mgudlwa</b> , Sanelisiwe .....	<i>Data Science</i>
<b>Mhlongo</b> , Simthandile.....	<i>Computer Sc And Information Technology</i>
<b>Miya</b> , Atang.....	<i>Applied Mathematics, Astronomy</i>
<b>Mkhize</b> , Zoleka Sphehile.....	<i>Applied Mathematics, Statistics</i>
<b>Mkhumane</b> , Mxolisi Ayanda.....	<i>Applied Mathematics, Mathematics</i>
<b>Mkhwanazi</b> , Androe Nkululeko .....	<i>Computer Science, Mathematics</i>
<b>Mlangeni</b> , Manqoba Sibonelo.....	<i>Applied Mathematics, Computer Science</i>
<b>Mncube</b> , Sindisiwe Praiseworthy .....	<i>Computer Sc And Information Technology</i>
<b>Mndebele</b> , Ayanda Promise .....	<i>Applied Mathematics, Chemistry, Mathematics</i>
<b>Mnguni</b> , Fezile.....	<i>Computer Sc And Information Technology</i>
<b>Mnguni</b> , Ntando Maloki.....	<i>Computer Science, Statistics</i>
<b>Mnikathi</b> , Ayanda Samkelisiwe .....	<i>Astronomy, Physics</i>
<b>Mohanlal</b> , Viren .....	<i>Computer Sc And Information Technology</i>
<b>Momoti</b> , Khanyisile Fiona.....	<i>Computer Sc And Information Technology</i>
<b>Montwedi</b> , Itumeleng Promise.....	<i>Applied Mathematics, Mathematics</i>
<b>Moodley</b> , Kaylashni .....	<i>Applied Mathematics, Statistics</i>
<b>Moodley</b> , Seyuran.....	<i>Computer Sc And Information Technology</i>
α <b>Moonasar</b> , Saiyuri Chetty.....	<i>Computer Sc And Information Technology</i>
<b>Moonsamy</b> , Andrew.....	<i>Computer Sc And Information Technology</i>
<b>Mqadi</b> , Alwande .....	<i>Applied Mathematics, Statistics</i>
<b>Msomi</b> , Nkululeko Blessing.....	<i>Computer Science, Data Science</i>
<b>Mthembu</b> , Sandiso Collen.....	<i>Applied Mathematics, Statistics</i>
<b>Mthethwa</b> , Siduduzo Thabo.....	<i>Data Science</i>
<b>Mtshali</b> , Phumlani.....	<i>Computer Sc And Information Technology</i>

<b>Myaka</b> , Nkosiyazi.....	<i>Computer Sc And Information Technology</i>
<b>Nadasen</b> , Julian Bradley.....	<i>Computer Sc And Information Technology</i>
<b>Naicker</b> , Kaylan.....	<i>Applied Mathematics</i>
* <b>Naicker</b> , Ronin David.....	<i>Computer Sc And Information Technology</i>
<b>Naidoo</b> , Andrew Nathaniel.....	<i>Computer Sc And Information Technology</i>
* <b>Naidoo</b> , Jeuleshan.....	<i>Computer Sc And Information Technology</i>
<b>Naidoo</b> , Pashlene.....	<i>Applied Physics, Physics</i>
<b>Naidoo</b> , Serushan.....	<i>Computer Sc And Information Technology</i>
* <b>Naidoo</b> , Terese Jasmin.....	<i>Computer Sc And Information Technology</i>
* <b>Naidoo</b> , Thanusha.....	<i>Computer Sc And Information Technology</i>
<b>Naidoo</b> , Tharshey.....	<i>Computer Science</i>
<b>Naidoo</b> , Udayan.....	<i>Computer Sc And Information Technology</i>
α <b>Naidu</b> , Aaron Jude.....	<i>Computer Science, Data Science</i>
α <b>Naidu</b> , Sira Gerdiel.....	<i>Applied Mathematics, Statistics</i>
<b>Naidu</b> , Trishen.....	<i>Computer Sc And Information Technology</i>
<b>Nair</b> , Janice Anneline.....	<i>Applied Mathematics, Physics</i>
<b>Nassar</b> , Esraa.....	<i>Computer Sc And Information Technology</i>
<b>Ncikana</b> , Nontombi Zimasa.....	<i>Computer Sc And Information Technology</i>
<b>Ndaba</b> , Sabelo Mthunzi.....	<i>Applied Mathematics, Statistics</i>
<b>Ndebele</b> , Luyanda Lwazi.....	<i>Computer Sc And Information Technology</i>
<b>Ndlela</b> , Thabani.....	<i>Mathematics, Statistics</i>
<b>Ndlovu</b> , Disang True-Love.....	<i>Applied Mathematics, Statistics</i>
<b>Ndlovu</b> , Nolwazi Emmaculate.....	<i>Computer Science, Mathematics</i>
<b>Ngcobo</b> , Ndumiso Emmanuel.....	<i>Applied Mathematics, Statistics</i>
<b>Ngcongo</b> , Bongiswa Fumbetheni.....	<i>Computer Sc And Information Technology</i>
<b>Nkabinde</b> , Lungile Rose.....	<i>Computer Sc And Information Technology</i>
<b>Nkosi</b> , Lungile Ntombizekethelo.....	<i>Applied Mathematics, Chemistry</i>
<b>Nkungu</b> , Avumile.....	<i>Computer Sc And Information Technology</i>
<b>Ntsele</b> , Nonsindiso Thenjiwe.....	<i>Applied Mathematics, Mathematics</i>
<b>Ntshangase</b> , Amanda Marshia.....	<i>Applied Mathematics, Computer Science</i>
<b>Ntuli</b> , Khayelihle Knoledge.....	<i>Computer Sc And Information Technology</i>
<b>Ntuli</b> , Mhlengi.....	<i>Applied Mathematics, Mathematics</i>
<b>Ntuli</b> , Zamaphemba Andiswa.....	<i>Mathematics, Statistics</i>
<b>Nxasana</b> , Sanele.....	<i>Applied Mathematics, Computer Science</i>
<b>Nzima</b> , Mxolisi Lungisani.....	<i>Applied Mathematics, Chemistry</i>
<b>Nzimande</b> , Nkanyiso Nhlakanipho.....	<i>Mathematics, Statistics</i>
<b>Nzimande</b> , Siyabonga Zolani.....	<i>Computer Sc And Information Technology</i>
α <b>Osman</b> , Abdul Gany.....	<i>Computer Science</i>
<b>Pale</b> , Ria.....	<i>Computer Sc And Information Technology</i>
α <b>Pancham</b> , Shreeya.....	<i>Computer Sc And Information Technology</i>
* <b>Paruk</b> , Sashil.....	<i>Computer Sc And Information Technology</i>
<b>Peters</b> , Sonja Chloé.....	<i>Computer Science</i>

<b>Pillay, Jordon</b> .....	<i>Computer Science</i>
* <b>Pillay, Keeren</b> .....	<i>Computer Sc And Information Technology</i>
<b>Pillay, Nishlan Mikaylan</b> .....	<i>Mathematics, Statistics</i>
α <b>Pillay, Thenuja</b> .....	<i>Applied Mathematics, Statistics</i>
<b>Pramlall, Shahin</b> .....	<i>Computer Science, Statistics</i>
<b>Radebe, Ziyanda Alicia</b> .....	<i>Applied Mathematics, Computer Science</i>
* <b>Ramautar, Shivaar</b> .....	<i>Applied Mathematics, Statistics</i>
<b>Ramgobin, Yasthika</b> .....	<i>Applied Mathematics, Statistics</i>
<b>Ramlukan, Ariyan Luke</b> .....	<i>Computer Sc And Information Technology</i>
α <b>Ravjee, Dhruvi Chandresh</b> .....	<i>Computer Sc And Information Technology</i>
<b>Reddy, Kian</b> .....	<i>Computer Sc And Information Technology</i>
α <b>Reddy, Sachin</b> .....	<i>Computer Science</i>
<b>Sangweni, Sphamandla Musawenkosi</b> .....	<i>Computer Sc And Information Technology</i>
<b>Sayed, Mohammed Rehan</b> .....	<i>Computer Science, Statistics</i>
<b>Sethebe, Minenhle Beloved</b> .....	<i>Mathematics, Statistics</i>
<b>Sewkumar, Ayush</b> .....	<i>Computer Science, Statistics</i>
α <b>Sewsunker, Alkha Lola Sonali</b> .....	<i>Computer Science</i>
<b>Shaikh, Huzaifah</b> .....	<i>Computer Sc And Information Technology</i>
<b>Sibiya, Nkosingiphile Sunday</b> .....	<i>Computer Sc And Information Technology</i>
<b>Simelane, Bongumenzi Khumbulani Justice</b> .....	<i>Computer Sc And Information Technology</i>
α <b>Singh, Darshana</b> .....	<i>Computer Sc And Information Technology</i>
* <b>Singh, Nikhiel Rahul</b> .....	<i>Computer Sc And Information Technology</i>
<b>Singh, Nikhil</b> .....	<i>Computer Sc And Information Technology</i>
* <b>Singh, Sandipa</b> .....	<i>Computer Sc And Information Technology</i>
<b>Sithole, Andile Brian</b> .....	<i>Applied Mathematics, Statistics</i>
<b>Sithole, Thembeke Nothando</b> .....	<i>Computer Science, Statistics</i>
α <b>Subramoney, Mickalan Joshua</b> .....	<i>Applied Mathematics, Astronomy</i>
<b>Sukraj, Rijnhav</b> .....	<i>Computer Science</i>
α <b>Tatana, Lumko Cebelihle</b> .....	<i>Computer Science</i>
<b>Thompson, Dylan Winston</b> .....	<i>Computer Sc And Information Technology</i>
* <b>Tshibase, Slungile</b> .....	<i>Applied Mathematics, Statistics</i>
α <b>Udho, Ashraya</b> .....	<i>Computer Science, Statistics</i>
<b>Udho, Timaha</b> .....	<i>Computer Science, Statistics</i>
<b>Vezi, Harkim Al Harmin</b> .....	<i>Computer Sc And Information Technology</i>
<b>Zikhali, Thabile Zenamile</b> .....	<i>Computer Sc And Information Technology</i>
* <b>Zondi, Bongukwanda</b> .....	<i>Computer Sc And Information Technology</i>
<b>Zondo, Mandisa Nontobeko</b> .....	<i>Applied Mathematics, Statistics</i>
<b>Zulu, Mlulamisi Cebolenkosi</b> .....	<i>Computer Sc And Information Technology</i>
<b>Zulu, Righteousness Siwelile</b> .....	<i>Computer Sc And Information Technology</i>
<b>Zulu, Thembinkosi Emmanuel Thobeka</b> .....	<i>Applied Mathematics, Chemistry</i>
<b>Zungu, Lungani</b> .....	<i>Computer Science, Statistics</i>

## POSTGRADUATE DIPLOMA

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### Postgraduate Diploma in Data Science

<b>Akubaraly</b> , Mohammed Uzayr .....	<i>Data Science</i>
# <b>Ally</b> , Fathima .....	<i>Data Science</i>
# <b>Maharaj</b> , Sanera .....	<i>Data Science</i>
# <b>Moodley</b> , Sumeshini .....	<i>Data Science</i>
<b>Ndlovu</b> , Nontuthuko .....	<i>Data Science</i>
<b>Sosibo</b> , Nontsikelelo Pam .....	<i>Data Science</i>

# The Graduation Ceremony

The graduation ceremony has a long history and is steeped in tradition. It dates back to the establishment of the first universities in Europe in the 12<sup>th</sup> century.

## The Chancellor

“Chancellor” is an office that goes back to Roman times: the original chancellor or *cancellarius* (as the office was known), regulated access to the Roman Tribune. In medieval times, the office became associated with the heads of writing departments of the early kings. Because so few people were literate, a chancellor was necessarily learned. This is why the heads and spokespersons of the early universities were also accorded this title. More recently the office has become largely symbolic and the executive head of a university is its vice-chancellor. One of the Chancellor’s primary roles is to confer degrees at the graduation ceremonies.

Dr RJ Khoza is the fourth Chancellor of the University of KwaZulu-Natal.

## The Mace



The University of KwaZulu-Natal Mace was designed and executed by local sculptor Mr Zamokakhwe Gumede and is carved from an indigenous wood, Drakensberg bottlebrush (*umBande*), gathered from the artist’s home near Bergville.

The head of the Mace is made up of three opened book-like forms, suggestive of scholarship but also of the massive landscape forms of our province, onto each of which is placed a ruler, a pen and a pencil. These refer respectively to the scientific and computational, the text-based and the creative sides to the University’s work. Below this are an encircling set of heads, representing the diverse university community. The whole is surmounted by an alighting secretary bird (iNtungunono), an elegant and active bird found throughout the province and equally at home on land or in the air. At the foot of the Mace is a hoof-like shape, giving a sense of contact with the soil of Africa.

The carrying of the mace in the procession symbolises the university’s status as a degree awarding institution.

## Academic Dress

The wearing of gowns by judges, ministers, teachers and scholars is an ancient and significant custom. By wearing a gown when receiving their degrees and diplomas, the graduating student participates in this long tradition and joins hands with students past and present.

The hood conveys the most amount of information with the addition of braid or coloured linings differentiating the different qualifications. The colour of the band or hood lining represents the College, each of which has its own colour.



## Convocation

The Convocation of the University of KwaZulu-Natal is the statutory body consisting of all alumni and the academic staff (current and retired) of the University. On graduation, graduates and diplomates automatically become members of Convocation which is the largest stakeholder body with over 140 000 members. Convocation provides a link with graduates, past and present, and through this structure graduates have the opportunity to play a continuing role in the affairs of the University.

After being capped by the Chancellor, each graduate moves across the stage and hands the hood to the Robing officer who represents the Convocation of the University. The Robing officer places the hood upon the graduate's shoulders and, in so doing, symbolises acceptance into the Convocation of UKZN.



## The University Logo

The original University Logo was officially launched on 27 February 2004 and it is a powerful visual symbol through which the University projects an image of excellence. In addition, it emphasises the University's standing and integrity within the province of KwaZulu-Natal and within the academic and business communities, at home and abroad. Above all, it provides an identity around which internal stakeholders – staff and students – unite.

The African shield symbolises the protection of our most valuable assets, namely, education, culture and, by extension, African scholarship. The globe with multi-coloured rays epitomises a rising sun, a new beginning and acts as a symbol of enlightenment.

Further, the globe represents the University as a global player, producing world-class graduates, while the multi-coloured rays embody diversity – race, culture, language – as well as social values. The book/wave/wings, which underscore the visual, represent the foundation of knowledge, the spirit of the eastern seaboard, and soaring to new heights.

the University logo represents a University that is rooted in and responsive to Africa's unique qualities, challenges, diversities and strengths, while, at the same time, nurturing and protecting African Scholarship.

On 3 June 2010 the current logo, with the isiZulu translation was approved.