



Beste Matie-graduandus

Hartlik geluk met die kwalifikasie wat jy vandag verwerf. Ons is trots op jou!

Jy is deel van 'n uitgelese groep, want vanjaar vind die eerste gradeplegtighede van ons tweede eeu as universiteit plaas. Dit was ons Eeufeesjaar in 2018, en ons het ook 'n nuwe visie en strategiese raamwerk aanvaar waarmee ons nou die toekoms vol vertroue tegemoet gaan.

Die Universiteit Stellenbosch (US) streef daarna om Afrika se voorste navorsingsintensiewe universiteit te wees wat wêreldwyd as uitnemend, inklusief en innoverend erken word. Ons is ook daartoe verbind om kennis tot diens van die samelewing te bevorder. Dit is veral met laasgenoemde doelwit waarmee jy ons kan help namate jy nou die beroepslewe betree.

Jou tyd by Maties het jou voorberei om leiding te neem en uit te blink in 'n diverse wêreld, danksy 'n omgewing waarbinne jy 'n transformerende studente-ervaring kon hê. Mag jy wat jy hier geleer het, met vrug toepas en mag die US se waardes – uitnemendheid, deernis, billikheid, respek en verantwoordbaarheid – jou rigsgoer bly.

Die US sal altyd jou akademiese tuiste wees. Besoek gerus ons opwindende nuwe alumni-platform, www.matiesconnect.com. Daar kan jy kontak met jou universiteitsvriende behou, werksaanbiedinge sien, asook mentors en netwerkgeleenthede vind – alles op een plek. Studies dui daarop dat betrokkenheid by sterk alumni-netwerke vrugte afwerp. Bly deel van die Matie-familie om jou loopbaan te bevorder.

Ons beste wense vergesel jou!

Prof Wim de Villiers
Rector en Visekanselier

Dear Matie Graduate

We warmly congratulate you on the qualification that you will be receiving today. We are proud of you!

You are part of a very special group, as this year's graduation ceremonies are the first to be held in our second century as a university. We commemorated our Centenary in 2018 and in the same year, we adopted our new strategic framework, enabling us to enter the future with confidence.

Stellenbosch University (SU) aims to be Africa's leading research-intensive university, globally recognised as excellent, inclusive and innovative. We are also committed to advance knowledge in service of society. As you set out on your career path, we call on you to assist us with this latter part of our vision.

Your time at Maties has prepared you to lead and excel in a diverse world thanks to an environment in which you could enjoy a transformative student experience. May you succeed in applying what you have learnt here successfully and may the values of SU – excellence, compassion, equity, respect and accountability – continue to guide you.

SU will always be your academic home. Visit our exiting new alumni platform, www.matiesconnect.com, to stay in touch with your university friends, and find the latest job postings, mentors and networking opportunities – all in one place. Studies have shown that involvement in strong alumni networks pays dividends, so remain part of the Matie family to advance your career.

Our best wishes accompany you!

Prof Wim de Villiers
Rector and Vice-Chancellor

Ophumelele Ematie Othandekayo

Sithi huntshu kuwe khwalifikeshini oza kuyifumana namhlanje. Siyazidla ngawe!

Uyinxalenye yeqela elikhethekileyo, njengoko imisitho yabaphumeleleyo yalo nyaka iyeyokuqala ukubanjwa kwinkulungwane yethu yesibini njengeyunivesithi. Siye sabhiyozela iMinyaka Elikhulu sikho ngo-2018 yaye kwangaloo nyaka, siye samkela isicwangciso-qhinga esitsha, nto leyo esincede ukuba singene kwikamva ngokuzithemba.

IYunivesithi yaseStellenbosch (SU) izimisele ukuba yiyunivesithi etshotsh' entla kwezophando olunzulu eAfrika, igqalwa ehlabathini lonke njengephum' izandla, iquka wonke umntu yaye inobuchule. Kanti sizimisele ukuqhubela phambili ulwazi ekunikeni uluntu iinkonzo. Njengoko uza kuqalisa umsebenzi wakho, siyakubongoza ukuba usancedise kulo mbono esigqiba kuwuchaza.

Ixesha obuseMaties ngalo liye lakulungiselela ukukhokela uze uphale phambili kwihlabathi elinabantu abahlukeneyo ngenxa yemo okwazileyo ukunambitha kuyo imo yokuba ngumfundi okwaziyo ukutshintsha izinto. Ngamana ungaphumelela ekusebenziseni izinto oye wazifunda apha yaye ngamana iziseko zaseSU – ukugqwesa, uvelwano, ukulingana, intlonelo nokunikela ingxelo – ungaqhubeka ukhokelwa zizo.

I-SU iya kuqhubeka ilikhaya lakho lemfundo. Tyelela eli qonga lethu elitsha nelibangela umdla lwabo babesakufunda apha, www.matiesconnect.com, ukuze uhlale unxulumana nabahlobo bakho baseyunivesithi, yaye fumana izithuba zemisebenzi ezixhonywa mvanje, abacebisi kwakunye namathuba okudibana nabanye abantu – zonke ezo zinto zikwindawo enye. Uphononongo luye lwabonisa ukuba ukudibana nabanye ababesakufunda apha kuba neziphumo ezihle, ngoko hlala uyinxalenye yentsapho yaseMatie ukuze ukhulise amathuba akho omsebenzi.

Sikunqwenelela eyona minqweno mihle!

Njing Wim de Villiers
INqununu noSekela-Tshansila



Ons Visie 2040

Die Universiteit Stellenbosch sal Afrika se voorste navorsingsintensiewe universiteit wees wat wêreldwyd as uitnemend, inklusief en innoverend erken word en waar ons kennis tot diens van die samelewing bevorder.

Ons Missie

Die Universiteit Stellenbosch is 'n navorsingsintensiewe universiteit wat uitmuntende studente lok, talentvolle personeel aanstel en 'n wêreldklasomgewing bied; 'n plek wat met die wêreld verbind is en gemeenskappe plaaslik, op die vasteland en in die res van die wêreld verryk en transformeer.

Our Vision 2040

Stellenbosch University will be Africa's leading research-intensive university, globally recognised as excellent, inclusive and innovative, where we advance knowledge in service of society.

Our Mission

Stellenbosch University is a research-intensive university where we attract outstanding students, employ talented staff and provide a world-class environment; a place connected to the world, while enriching and transforming local, continental and global communities.

Umbonoweth ka2040

IYunivesithi yaseStellenbosch iya kuba yiyunivesithi egxininise kuphando nekhokeleyo eAfrika, neyamkelwa kwihlabathi lonke njengegqwesileyo, equkayo neyenza inguqulelo, nalapho siqhubela phambili ulwazi sikhonza uluntu.

Ubizo Lwethu

IYunivesithi yaseStellenbosch yiyunivesithi egxininise kuphando nalapho sitsala abafundi abagqwesileyo, siqesha abasebenzi abanesiphiwo kwaye sibonelela nemeko ekwinqanaba lehlabathi; indawo eqhagamshelene nehlabathi, ngelixa ichumisa kwaye iguqula uluntu lwengingqi, lwelizwekazi nolwehlabathi.

Kanselier | Chancellor

Dr JP Rupert, DCom hc (Stell), DCom hc (NMMU)

Rektor en Visekanselier | Rector and Vice-Chancellor

Prof WJS de Villiers, MB, ChB, MMed (Int), FCP (SA), DPhil, MHCM

Voorsitter van die Raad | Chairperson of Council

Mr GM Steyn, BA, LLB

Uitvoerende Bedryfshoof | Chief Operating Officer

Prof SA du Plessis, BComHons, MPhil, PhD

Viserektor (Sosiale Impak, Transformasie en Personeel)

Vice-Rector (Social Impact, Transformation and Personnel)

Prof NN Koopman, BA, MTh, DTh

Viserektor (Leer en Onderrig) | Vice-Rector (Learning and Teaching)

Prof A Schoonwinkel, PrEng, MEng, MBA, PhD

Viserektor (Navorsing, Innovasie en Nagraadse Studies)

Vice-Rector (Research, Innovation and Postgraduate Studies)

Prof TE Cloete, MSc, DSc

Viserektor (Strategie en Internasionalisering) | Vice-Rector (Strategy and Internationalisation)

Prof HC Klopper, BCur, MCur, PhD, MBA, FAAN, MASSAf

Registrateur | Registrar

Dr P Retief, MA, DLitt

Dekane | Deans

AgriWetenskappe | AgriSciences

Prof D Brink, BScHons, MScAgric, PhD

Ekonomiese en Bestuurswetenskappe | Economic and Management Sciences

Prof I Woolard, BSc, BAHons, PhD

Geneeskunde en Gesondheidswetenskappe | Medicine and Health Sciences

Prof JA Volmink, BSc, MB, ChB, DCH (SA), MPH, DPhil, MASSAf

Ingenieurswese | Engineering

Prof JL van Niekerk, MEng, PhD, EMBA

Krygskunde | Military Science

Prof MS Tshela, MSc, PhD

Lettere en Sosiale Wetenskappe | Arts and Social Sciences

Prof AJ Leysens, MA, DPhil

Natuurwetenskappe | Science

Prof L Warnich, MSc, PhD

Opvoedkunde | Education

Prof MR Madiba, DLitt et Phil

Regsgeleerdheid | Law

Prof N Smit, BLC, LLB, LLD

Teologie | Theology

Prof RW Nel, BA, BTh, MTh, DTh

Altyd 'n Matie

Geluk en welkom in die Universiteit Stellenbosch se alumni-familie! Jou gradeplegtigheid is 'n belangrike mylpaal, en ook die begin van jou voortgesette verbintenis met jou alma mater. Die Alumni-kantoor is jou lewenslange skakel met die Universiteit.

Daar is vele maniere om in kontak te bly.

Tuiskoms-en-familienaweek

Die Universiteit se Tuiskoms-en-Familienaweek vir alumni vind elke jaar in Maart op die Stellenbosch-kampus plaas. Inligting is beskikbaar by www.matiesalumni.com.

Sluit aan by Maties connect

Ons www.matiesconnect.com platform sal jou help om jou professionele netwerk uit te brei, 'n mentor te vind, alumni te bereik, en op hoogte te bly van gebeure by jou alma mater.

Wees deel van 'n Alumni-hub

Die Stellenbosch Alumni-betrekkinge-span stel plaaslike en internasionale alumni-nawe (oftewel hubs) saam om die skakeling tussen alumni onderling te verbeter deur gereelde netwerke en sosiale geleenthede aan te bied. Vir meer inligting oor hoe om 'n hub in jou gebied te stig of by een van ons gevestigde hubs aan te sluit, stuur 'n e-pos na alumni@sun.ac.za.

Always a Matie

Congratulations and welcome to the Stellenbosch University alumni family! Your graduation is a momentous occasion and marks the beginning of your continued relationship with your alma mater. The Alumni Office is your lifelong connection to the University.

There are many ways to stay connected.

Homecoming and family weekend

The University's Homecoming and Family Weekend for alumni takes place every year in March on the Stellenbosch campus. Information is available on www.matiesalumni.com.

Join Maties connect

Our www.matiesconnect.com platform will help you increase your professional network, find a mentor, reach out to alumni, and keep up to date on what's happening at your alma mater.

Be part of an Alumni hub

The Stellenbosch Alumni Relations team establish alumni hubs both locally and internationally to connect alumni in specific regions with one another through regular networking and social events. For more information on how to start or join an existing hub in your area, send an e-mail to alumni@sun.ac.za.

I-Matie ngalo lonk' ixesha

Sivuyisana nawe kwaye wamkelekile kusapho olungabo babesakufunda kwiYunivesithi yaseStellenbosch! Ukuthweswa kwakho isidanga lixesha apha elakha labaluleka, kwaye likwalixesha eliphawula ukuqalisa kwakho ubudlelwane obuqhubekayo kunye nale yunivesithi owawusakufunda kuyo. IOfisi yabo Babesakuba Ngabafunda Apha yiyo ekunxulumanisa neYunivesithi ubomi bakho bonke.

Zininzi iindlela zokuhlala uqhagamshelile.

Impelaveki yobuyelo-khaya ubenosapho

IMpelaveki yoBuyelo-Khaya ubenoSapho eyenzelwe abo babesakufunda apha yenzeka qho kwinyanga yoKwindla kwikhampasi yaseStellenbosch. Iingombolo ezithe vetshe zifumaneka ku-www.matiesalumni.com.

Joyina i-Maties connect

Iqonga lethu le-www.matiesconnect.com liza kukunceda ekwandiseni inani leengcali onxibelelana nazo, ukufumaneni umcebisi onamava, ekufikeleleni kwabanye ababefunda apha nasekubeni uhlale usazi ngokwenzekayo ngale yunivesithi owawusakufunda kuyo.

Yiba yinxalenye yeqela labo babesakuba ngabafundi balapha

Iqela lezoNxibelelwano lwabo baBesakuba ngaBafundi balapha lisungula amaqela abo babesakuba ngabafundi apha naza kuzinza kweli lizwe nakwamanye amazwe ukuze kunxibelelwane ngabo babesakuba ngabafundi apha abakwiingingqi ezithile oko kusenziwa ngokunxibelelana rhoqo nangeendibano zasekuhlaleni. Ukuba ufuna iinkcukacha ezithe vetshe malunga nendlela yokuqalisa okanye yokujoyina iqela esele likho kwiingingqi yakho, thumela i-imeyili ku-alumni@sun.ac.za.

Diploma- en Gradeplegtighede | Diploma and Graduation Ceremonies

1. 9 Desember | December 2019 (10:00)

Fakulteit Teologie | Faculty of Theology

Doktorsgrade | Doctorates 10

Ander kwalifikasies | Other qualifications 12

Fakulteit Ingenieurswese | Faculty of Engineering

Doktorsgrade | Doctorates 13

Ander kwalifikasies | Other qualifications 18

Kanselierstoekennings | Chancellor's Awards 23

2. 9 Desember | December 2019 (17:30)

Fakulteit Ekonomiese en Bestuurswetenskappe

Faculty of Economic and Management Sciences

Doktorsgrade | Doctorates 28

Ander kwalifikasies | Other qualifications 29

BCom (**insluitend** BCom Regsgeleerdheid), HonsBCom (uitsluitend Openbare en Ontwikkelingsbest),
MCom, PhD (Stellenbosch)

BCom (**including** BCom Law), BComHons (excluding Public and Development Management),
MCom, PhD (Stellenbosch)

Kanselierstoekenning | Chancellor's Award 36

3. 10 Desember | December 2019 (10:00)

Fakulteit Geneeskunde en Gesondheidswetenskappe

Faculty of Medicine and Health Sciences

Doktorsgrade | Doctorates 40

Ander kwalifikasies | Other qualifications 44

Alle programme **uitsluitend** nagraadse diplomas

All programmes **excluding** postgraduate diplomas

Kanselierstoekenning | Chancellor's Award 50

4. 10 Desember | December 2019 (17:30)

Fakulteit Ekonomiese en Bestuurswetenskappe

Faculty of Economic and Management Sciences

Ander kwalifikasies | Other qualifications 52

Slegs BRek, BRekLLB, HonsBRek en MRek

Only BAcc, BAccLLB, BAccHons and MAcc

Fakulteit Geneeskunde en Gesondheidswetenskappe

Faculty of Medicine and Health Sciences

Ander kwalifikasies | Other qualifications 56

Slegs nagraadse diplomas

Only postgraduate diplomas

Kanselierstoekenning | Chancellor's Award 59





1

9 Desember | 9 December

10:00

Fakulteite

Teologie

Ingenieurswese

Faculties

Theology

Engineering

1

PROGRAM

- Staan asseblief*
- Staan asseblief*
- Sit asseblief*
1. Akademiese prosesie kom die saal binne.
 2. Sing van die Nasionale Lied (sien binnekant van die agterblad).
 3. Konstituering deur die Visekanselier.
 4. Verwelkoming deur die Visekanselier.
 5. Verwelkoming in Xhosa.
 6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
 7. Voorstelling van kandidate vir die Kanselierstoekennings en oorhandiging van die toekennings deur die Visekanselier.
 8. Sluiting deur die Visekanselier.
 9. Akademiese prosesie verlaat die verhoog.
- Staan asseblief*

PROGRAMME

- Please stand*
- Please stand*
- Please sit*
1. Entrance of academic procession into the hall.
 2. Singing of the National Anthem (see inside back cover).
 3. Congregation formally constituted by the Vice-Chancellor.
 4. Welcome by the Vice-Chancellor.
 5. Welcome in Xhosa.
 6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
 7. Introduction of the candidates for the Chancellor's Awards and presentation of the awards by the Vice-Chancellor.
 8. Closing by the Vice-Chancellor.
 9. The academic procession leaves the stage.
- Please stand*

Doktor in die Wysbegeerte Doctor of Philosophy

DE KOCK-MALAN, Annemarie Susan (New Testament)

Suffering, submission, silence? Rereading 1 Peter through a lens of trauma

The study explored various levels of suffering, submission and silence in 1 Peter using multidimensional exegesis as methodology and trauma theory, as developed by Shelly Rambo, as hermeneutical framework. Rambo's point of departure is that trauma distorts memory and the concept of time as well as people's relationship with their physical body and social networks. In examining coping strategies (alternative perspectives on trauma-related aspects) in 1 Peter, the suffering and death of Jesus Christ, God's story with Israel as found in the Hebrew Scriptures and the emphasis on identity and ethos – especially in terms of temple metaphors, family and household language – are central.

Supervisor: Prof AEJ Mouton

FABER, Ryan Lee (Ecclesiology)

Lex Orandi, Lex Credendi: A church juridical inquiry into the sacramental liturgies of the Christian Reformed Church in North America

The dictum *lex orandi, lex credendi* assumes a relationship between the church's rule of prayer and its rule of faith. Prescriptively, the church's rule of faith, the confessions to which it subscribes, should determine the church's rule of prayer. Descriptively, the way in which the church worships shapes the faith of the church and what the church actually believes. This study inquired from a church juridical perspective into the sacramental liturgies of the Christian Reformed Church in North America. The study established the authority of synod to adopt liturgical formularies and explored the church's orderly requirement that these approved formularies be used for the church's administration of the sacraments.

Supervisor: Prof MA Plaatjies van Huffel

GERTZEN, Marius (Old Testament)

For King and country: An ideological critical study of covenant in Jeremiah 11:1–17 and kingship in Jeremiah 22:1–23:8 as examples of cultural violence

Johan Galtung has argued that cultural violence plays a crucial role in legitimising acts of direct violence and rendering the fact of structural violence acceptable in society. This study employed Galtung's theoretical framework to show how the notions of covenant and kingship serve as examples of cultural violence in the book of Jeremiah. By critically interrogating themes such as divine election and the link to cultural violence in the biblical text, one may be able to better understand manifestations of direct, structural and cultural violence in a contemporary South African context, as also embedded in the ideology of apartheid.

Supervisor: Prof LJM Claassens

PHILANDER, Nathan Carolus (Ecclesiology)

Ekklesiologiese teologiese ondersoek na die teologiese opleiding en bedieningsvorming praxis in die Verenigende Gereformeerde Kerk in Suider-Afrika

This study's presumption was that a flawed consciousness of power and where it is situated influence informed decision making with regard to theological training and ministerial formation in the United Reformed Church in Southern Africa. The study focused on the historical background of racially segregated theological training of the Reformed mission churches in South Africa, how the mission policy and apartheid legislation influenced theological training, the reallocation of the segregated theological schools to group areas, the power of the Dutch Reformed Church with regard to the theological training of the missionary churches and the non-compliance of contractual agreements regarding theological training with universities.

Supervisor: Prof MA Plaatjies-Van Huffel

RADLER, Karola Susanne (Systematic Theology)

'Decision' in the thought of Dietrich Bonhoeffer and Carl Schmitt: A comparative study

The theme of 'decision' runs like a thread through the works of the theologian Dietrich Bonhoeffer (1906–1945) and the jurist Carl Schmitt (1888–1985). In the context of attempts to synchronise the Protestant Church to the national socialist state in Germany during the early 20th century, Bonhoeffer responded with a Christological account of decision. Schmitt, in turn, insisted on a specific jurisprudential form with regard to jurisdiction and content that is revealed by the exception. This thorough comparative study indicates how Bonhoeffer's theology entails an alternative to the underlying structural elements of the paradigm associated with Schmitt's concept of decision.

Supervisor: Prof RR Vosloo

RUARK, Joel David (Old Testament)

Toward an Old Testament theology of light: From physical concept to metaphysical analogy

Utilising the cognitive theories of embodied cognition and conceptual metaphor theory to analyse the referential and metaphorical uses of lexical terms for 'light' in Biblical Hebrew, this study proposes a cognitive model that fits the textual evidence within the Old Testament. Light theology is cataphatic, revealing the omni-temporal sovereignty of YHWH. It is also dialectical, revealing YHWH in his efficiency yet concealing YHWH in his essence. Finally, light theology in the Old Testament heralds the establishment of YHWH's immanent physical presence in the cosmos during the eschatological age, but falls short of expounding either an incarnational revelation of or a sacramental participation in YHWH's divine efficiency.

Supervisor: Prof LC Jonker

TUDUKS, Oholiabs Danladi (Practical Theology)

Healing and reconciliation in a dysfunctional relationship: Towards interreligious functional relationships in Northern Nigeria

This study offers an in-depth pastoral engagement in the context of multilayered dysfunctional relationships among Christians and Muslims in Northern Nigeria, which often result in interreligious violence and have caused deep-rooted trauma. This study addressed these dysfunctional relationships by means of a hermeneutical process with a focus on healing and reconciliation. In discovering the colonially motivated discriminations, decoloniality is stressed as a means of breaking down hierarchical structures. To further facilitate the healing and reconciliation processes, the study argues for a transformational relationship through the theories of interpathy, entanglement and the concept of wasatia (justice and goodness).

Supervisor: Prof CH Thesnaar

Fakulteit Teologie | Faculty of Theology

Magister in die Teologie

Master of Theology

Adebayo, Oluwarotimi Paul (New Testament)
Calvary, Wiseman Ndodiphela (Systematic Theology)
Duffield, Devon (Systematic Theology)(*cum laude*)
Ficks, William Edward (Practical Theology: Ministry)(*cum laude*)
Frantz, Kobus Phillippus (Practical Theology: Ministry)
Jang, Seungkwon (Practical Theology)
Jonas, Ruth (Practical Theology)
Kang, Seongmo (Church History and Church Polity)(*cum laude*)
Keet, Eugene Elmar (Practical Theology: Ministry)(*cum laude*)
Kock, Ronald Dick (Practical Theology: Ministry)
Marima, Ernest Zvaviruka (Missiology)
Park, Hansung (New Testament)
Park, Kwan Hyoung (Church History and Church Polity)
Qina, Axolile Ntsika Mandaba (New Testament)
Strydom, Natalia (Practical Theology)
Van Zyl, Fralene (Systematic Theology)(*cum laude*)
Yeon, Guisuk (Practical Theology)(*cum laude*)

Magister Divinitatis

Master of Divinity

Coetzer, Jan Hendrik (Ministry)(*cum laude*)
Hector, Wilden Fayzel (Ministry)
Jansen, Vivian Daniel (Ministry)(*cum laude*)
Maass, Jacobus Adriaan (Ministry)(*cum laude*)
Maeka, Motlatsi Johannes (Ministry)
None, Zolani (Ministry)
Olivier, Philippus Johannes Lodewyk (Ministry)
Pretorius, Tiaan (Ministry)
Spanneberg, Cornelius Llewellyn (Ministry)

Nagraadse Diploma in Teologie

Postgraduate Diploma in Theology

Brett, Danielle Elisma
Gottschalk, Ernst Karl
Kgatile, Tshwarelo Reginald
Ntlapo, Headman
Schippers, Ashton (*cum laude*)

Nagraadse Diploma in Teologie in Christelike Bediening

Postgraduate Diploma in Theology in Christian Ministry

Botes, Johan (*cum laude*)
Jurgens, Willem Frederick (*cum laude*)
Myburgh, Charyn Su-Marie
Pfeil, Marizanne (*cum laude*)
Strydom, James Jacques (*cum laude*)
Strydom, Mardi (*cum laude*)
Visser, Jakobus Johannes (*cum laude*)

Baccalaureus in die Teologie

Bachelor of Theology

Amos, Ilze
Carolissen, Shaun Graeme
Drude, Erin Courtney
Du Plessis, Jared
Harris, Peter Donald Seller (*cum laude*)
Hattingh, Corlia Renette
Langhein, Kimberly
Lategan, Jana (*cum laude*)
Louw, Micaela
Martin, Miceala Kelly
Mingo, Shannen Quinton-Lien
Smit, Wickus
Smith, Camden
Uys, Jana (*cum laude*)
Van Rensburg, Eljoh
Van Rooy, Erin Aimeë
Venter, Carli
Visagie, Shaied Conil
Visser, Francois

Baccalaureus Divinitatis

Bachelor of Divinity

Conradie, Gabriel Jakobus
Dankot, Dachung Dagwong
Engelbrecht, Mareli (*cum laude*)
Ntshongwana, Msawenkosi
Wahl, Micaela (*cum laude*)

Doktor in die Wysbegeerte Doctor of Philosophy

BAM, Louzanne (Industrial Engineering)

Foundation elements of a managerial framework to support team creativity in engineering organisations: Organising and expanding the body of knowledge

The perspective adopted in this study was that creativity is not, in itself, an outcome that organisations should pursue. Instead, the point is to be aware of boundary conditions that stimulate team creativity towards positive rather than negative results to constitute a truly significant outcome. Limited empirical research has been done on the outcomes of team creativity. The study found that the likelihood of collective unethical behaviour associated with team creativity increases when the members experience increased stress levels. The study contributes to literature by means of a comprehensive meta-analysis of antecedents of team creativity.

Supervisor: Prof. PJ Vlok

Co-supervisors: Profs CSL Schutte; K de Stobbeleir (external)

BAM, Wouter Gideon (Industrial Engineering)

Industry policymaking in mineral-rich developing countries

This study investigated policymaking in mineral-rich developing countries with a focus on policies that promote the value-add to mineral products before export (also known as beneficiation policy). It explored how mineral value chains may be conceptualised to enable a holistic contextualisation of such policy. It presents two novel analytical frameworks that support the appraisal of the strategic value of different downstream processing activities. It also presents a framework that enables the appraisal of the factors driving the location of a particular activity. The study provides practical tools to policymakers in order to support improved developmental outcomes.

Supervisor: Prof CSL Schutte

Co-supervisors: Profs J van Hove (external); K de Bruyne

BIJ DE VAATE, Jan Geralt (Electronic Engineering)

Expanding the field of view: Station design for the AAMID SKA radio telescope

Looking already towards expanding the Square Kilometre Array radio telescope, SKA Phase 2 will include the Mid-frequency Aperture Array, most likely configured as all-digital arrays in large stations. This study investigated the use of a sparse, regular layout for the array elements and compared this to the current reference design using a dense, regular topology. A new figure of merit is proposed for evaluating and comparing these designs, taking into account the number of elements, cost and performance. It was concluded that sparse arrays may become competitive only when the digital processing cost per channel is substantially lower than that of the front-end radio receiver.

Supervisor: Prof DIL de Villiers

Co-supervisor: Prof DB Davidson (external)

BRECKWOLDT, Nicholas Claus Carl (Chemical Engineering)

Hydroformylation of post-metathesis product using rhodium-based catalysts

The reaction engineering performance of the hydroformylation reaction of the post-metathesis product 7-tetradecene was evaluated for the first time within the overall scope of the RSA Olefins programme for the upgrading of Fischer-Tropsch-type low-value olefins to higher-value detergent range products. The results of the study were two-fold in terms of the application of commercial phosphorus-modified and non-commercial Schiff base-modified rhodium catalyst systems. Catalytic performance, kinetic modelling and potential for catalyst recovery and reuse were evaluated in order to describe the respective catalyst systems, and the results will aid in the potential industrial-scale reactor design.

Supervisor: Dr NJ Goosen

Co-supervisor: Profs P van der Gryp (external); G Smith (external)

CHEMBE, Dickson Kanungwe (Electrical Engineering)

An analytical model of a radially magnetised longitudinal-flux permanent magnet air-cored linear oscillatory machine

Beta-type free-piston Stirling engines fitted with linear oscillatory machines can be used as efficient heat to electrical energy converters with very low maintenance requirements. An analytical model of a radially magnetised, longitudinal-flux, permanent magnet, air-cored, linear oscillatory machine was developed for very fast design optimisation purposes. The model of a tubular, finite-length machine was developed using an infinite-length approximation as starting point. The permeability and the thickness of the yokes were taken as finite to accurately simulate the saturation in the yokes. The model was shown to be accurate by comparing it with finite element simulations.

Supervisor: Dr JM Strauss

Co-supervisor: Prof P-J Randewijk (external)

CICIONE, Antonio (Civil Engineering)

Fire dynamics in informal settlements

This study entailed experimental and numerical research to analyse, describe and predict fire behaviour in informal settlement dwellings. This provided a scientific basis for analysing which fire safety interventions may, or may not, be effective. Full-scale burn experiments consisting of single and triple homes were conducted. The study identified how existing theory should be applied to suit these informal structures and it shows which fire spread mechanisms are most important when trying to reduce spread. Computer simulations were developed using computational fluid dynamic models to simulate time-temperature curves and also to predict when fire spread between dwellings may occur.

Supervisor: Dr RS Walls

DE KOCK, Christa (Industrial Engineering)***A framework for modelling conflict-induced forced migration according to an agent-based approach***

In view of the serious shortcomings of existing models of displacement in instances of conflict and the lack of reliable data related to the associated movement patterns of forcibly displaced individuals, a generic framework is proposed for the design of effective agent-based simulation models of conflict-induced migration. The output of such a model is the high-level emergent behaviour resulting from localised, low-level decision-making processes of individuals fleeing conflict-affected areas. The practical value of the framework was demonstrated by applying the framework successfully in the design of an agent-based simulation model of migration patterns induced by the current conflict in Syria.

Supervisor: Dr BJ van Vuuren

Co-supervisor: Prof JH van Vuuren

DE LA BAT, Bernabe Jean Gerard (Mechanical Engineering)***Theoretical simulation, manufacture and experimental evaluation of a free-piston Stirling engine electric generator***

Free-piston Stirling engines are external combustion heat engines. Pertaining to the renewable energy landscape, such engines are well suited to micro heat and power cogeneration, as they can be operated with concentrated solar power, biogas or methane combustion, or can be utilised as waste-heat recovery systems. To aid prospective engine designers with the development of such engines, in this study, a comprehensive theoretical simulation model of a free-piston Stirling engine electric generator was developed from first principles. To validate this model, an experimental engine prototype was designed, manufactured and tested. A good correlation between experimental measurements and modelled engine performance was achieved.

Supervisor: Prof TM Harms

Co-supervisor: Mr RT Dobson

DE VILLIERS, Wibke Irmtraut (Civil Engineering)***Computational and experimental modelling of masonry walling towards performance-based standardisation of alternative masonry units for low-income housing***

For the widespread uptake of alternative, energy-efficient masonry units in low-income housing, material non-specific performance-based criteria must be established. Mesoscale nonlinear finite element analyses were performed on representative, single-storey, unreinforced masonry walls, based on the National Building Regulation's deemed-to-satisfy provisions, using concrete, geopolymer, compressed-stabilised earth and adobe masonry materials, representing a spectrum of strength and stiffness. The analyses revealed a significant shortfall for resistance against wind and seismic loading, even for the conventional concrete masonry walls. These results precluded immediate derivation of performance-based criteria, but indicate that a review of the deemed-to-satisfy provisions is necessary.

Supervisor: Prof GPAG van Zijl

Co-supervisor: Prof WP Boshoff

DUVENAGE, Dries Frank (Industrial Engineering)***Sustainable future CSP fleet deployment in South Africa: A hydrological approach to strategic management***

Concentrating solar power (CSP) is a renewable energy technology capable of thermal energy storage, enabling it to generate on-demand electricity. It requires water for cooling and plant operation, but is most suited to arid climates because it requires high-quality sunlight. This work established hydrological limits on its development potential due to variable water availability in arid regions. Of the estimated 12 000 TWh of theoretical annual generation potential from CSP, only between 100 and 600 TWh thereof (1–5%) is achievable with South Africa's stressed and variable water resources. Policies are proposed for sustainable CSP deployment and water resource management.

Supervisor: Prof AC Brent

Co-supervisors: Prof WHL Stafford, Prof. SS Grobbelaar

DZIGBOR, Aaron (Chemical Engineering)***Designing and evaluating the technical, economic and environmental performance of adsorption cooling system operating using bioresources from waste streams of mango processing***

The study investigated the technical, environmental and economic performances of an adsorption cooling system using low-grade ethanol (60%) as a refrigerant and cost-effective adsorbents and energy produced from mango processing waste. The simulation of integration of the adsorption cooling system into a mango dry chip processing plant showed the potential for reducing emissions and improving economic viability by emitting 7.10×10^5 kg CO₂ eq/yr with an internal rate of return of 25.33% compared to conventional chillers. Therefore, a mango waste-based adsorption cooling system has the potential to reduce the environmental burden from disposal of mango waste, with socio-economic gains and comparable technical performance to conventional chillers.

Supervisor: Prof AFA Chimphango

ERFORT, Gareth (Mechanical Engineering)***Numerical investigation of a novel blade for use in vertical axis wind turbines***

Wind energy is becoming a dominant player in electricity generation. With a global trend towards offshore farms, the scale of wind turbines is increasing. Vertical axis wind turbines are predicted to play an important role offshore based on their design advantages. This study showed the possibility of increasing the lifecycle of a wind turbine by adjusting the lift and drag coefficients of the turbine blade during operation. This was achieved through the implementation of a bio-inspired blade. This novel blade reduces the alternating torque experienced by the drive train, allowing for an estimated 36% increase in lifespan.

Supervisor: Prof TW von Backström

Co-supervisor: Prof G Venter

GROCH, Matthew (Electrical Engineering)

Modelling and short-term forecasting of high wind speed events at operational wind farms

Loss of generation due to high wind speed shutdown represents an important challenge to power grid operations under high penetration of wind energy. This study presents novel approaches for the characterisation and forecasting of these events, using an ensemble-based weather research and forecasting model, statistical downscaling of mesoscale wind speeds to individual turbine locations, probabilistic shutdown event modelling and survival theory. The proposed day-ahead forecasting model was shown to produce good results for significant events. Apart from short-term forecasting, the work can be applied to the performance of site-specific risk assessments to locate future wind farms to minimise the occurrence of these events.

Supervisor: Prof. HJ Vermeulen

KENNED, Raven Jon (Electronic Engineering)

On the design of optimal noise matching networks for a class of multimode antennas

The study presents a theoretical background and various design strategies for the design of low-noise quad-mode active antennas. These multi-input antennas show varying input impedances, as the beam is swept across space, with a resulting change in noise figure. This study proposed, evaluated and compared four schemes for the selection of a single optimum matching impedance to yield low noise figures over the whole swept range. The work is of importance for the field of radio astronomy as well as that of peer-to-peer communication systems.

Supervisor: Prof P Meyer

KRUGER, Pienaar Jacques (Civil Engineering)

Rheomechanics modelling of 3-D concrete printing constructability

Three-dimensional (3-D) concrete printing, or digital concrete construction, is an emerging technology that has the potential to reduce construction time, cost and waste, while improving geometrical freedom through formwork-free construction. This study developed innovative analytical models for the design of 3-D printed concrete filament shape retention and buildability, based on simple rheological characterisation of the fresh concrete. Collectively, these rheomechanics analytical models contribute to constructability design guidelines for digital concrete construction. Material partial factors were derived to account for variability in concrete material rheology properties, ultimately yielding a reliability-based design model for 3-D concrete printing constructability with a prescribed probability of failure.

Supervisor: Prof GPAG van Zijl

Co-supervisor: Dr S Zeranka

KUJA, Stanley Okoth (Electronic Engineering)

Optimisation of an impulse-radiating antenna through an effective trifilar coupled-line balun

This study supports electromagnetic compatibility, interference propagation and shielding studies for the Square Kilometre Array project in the Karoo region of South Africa. An existing impulse-radiating antenna was optimised by designing a novel trifilar coupled-line balun feed and increasing the feedline impedance. The feeding balun provided good phase and amplitude balance over a wide frequency range. The design reduced problematic common mode currents by obviating the need for expensive high-impedance coaxial cables in the feed area of the reflector antenna. The optimised manufactured antenna had improved matching bandwidth and beam pattern balance as well as reduced blockage and backlobes.

Supervisor: Dr PG Wiid

LATSKY, Carla (Chemical Engineering)

High-pressure phase equilibria of the system CO₂ + n-dodecane + 3,7-dimethyl-1-octanol + 1-decanol

The interactions that exist in the CO₂ + n-dodecane + 3,7-dimethyl-1-octanol + 1-decanol system were investigated by analysing high-pressure phase equilibrium data. New bubble and dewpoint data were measured for the CO₂ + 1-decanol + 3,7-dimethyl-1-octanol and CO₂ + n-dodecane + 3,7-dimethyl-1-octanol systems and the quaternary system. New quaternary vapour-liquid-equilibrium data were also measured. Significant solute-solute interactions were detected, which resulted in complex phase behaviour. The data were modelled in Aspen Plus® using the RK-SOAVE, RK-ASPEN, CPA and PSRK models. The RK-ASPEN model was found to be best suited to predict phase equilibrium data for the quaternary system.

Supervisor: Prof CE Schwarz

MAAS, Susan (Electronic Engineering)

Multilayered substrate-integrated waveguide waffle-iron filters

The study presents implementations of multimodal microwave waveguide filters in planar, multilayered substrate-integrated waveguide technology as well as new techniques to characterise such filters. The design replaces expensive machined metal structures with vias in printed circuit board technology, resulting in a product that has a significantly smaller size, weight and cost. The measurement techniques replace a traditional technique that uses large numbers of measurements and single-use measurement parts with one that uses a single measurement part and an order of magnitude fewer measurements. The work is of importance to especially the cubesat satellite industry, where size and weight are of prime importance.

Supervisor: Prof P Meyer

MABHULA, Mkhululi (Electrical Engineering)***Analysis and design optimisation of grid-connected wound rotor synchronous and induction motors***

In this study novel approaches are proposed in the modelling and design of synchronous and induction motors, with particular reference to direct grid-connected wound-rotor motors. Utilising the proposed finite element-based approaches through which torque, efficiency and power factor are prioritised, multiple design preferences are given to ensure informed choices. It is shown in the study that the novel approaches can be used with confidence in the optimum design of the motor types at small and large power levels. Small power-level prototypes of both motor types have been manufactured and laboratory-tested, thereby validating the proposed modelling and design approaches.

Supervisor: Prof MJ Kamper

MBUKANI, Mwana Wa Kalaga (Electrical Engineering)***Position/speed sensorless control of wind energy conversion systems based on rotor-tied doubly fed induction generator systems***

In general, in the control of the doubly fed induction generator (DFIG), the required speed/position is obtained through the use of an electromechanical sensor. The use of long cables and exposure of cables to harsh environments can compromise the accuracy of the measurement, which may affect the control system operation. In this work, several slip speed estimators for the sensorless control of rotor-tied DFIGs are proposed to improve the reliability of wind energy conversion systems. Furthermore, the proposed sensorless vector control strategy can be used as a back-up in case of electromechanical sensor failure.

Supervisor: Dr N Gule

NEL, Coenraad Josephus (Industrial Engineering)***A methodology to assist project-based organisations to utilise and develop project management capability as a strategic asset to increase competitive advantage***

Project management in business plays both a functional and a strategic role in the sustainability of the organisation. The former, and its role towards the success of the organisation, is well documented in literature. However, the strategic role of project management capability in project-based organisations to contribute to the long-term sustained success of an organisation has not been explored to the same extent in literature. An evaluation model was developed that can be used by project-based organisations to measure the contribution, strength or alignment of their project management capability to develop it as a strategic asset.

Supervisor: Prof CSL Schutte

OTTO, Willem Liebrecht (Industrial Engineering)***Framework to manage change complexity when introducing high-voltage technology to automotive production lines***

Prompted by the introduction of hybrid vehicles in Mercedes-Benz South Africa's East London plant and the likelihood of further hybrid and eventually full electric vehicle production in South Africa, this study created an implementation framework for the introduction of high-voltage technology in automotive production lines. The Implementation Framework for Automotive Technology conceptualised, verified and validated in this study is the first practical and measurable implementation framework of its kind and provides unique guidance for automotive manufacturers in introducing high-voltage technology into their production lines safely, effectively and efficiently.

Supervisor: Prof CSL Schutte

Co-supervisor: Dr TG Dirkse van Schalkwyk

SIWILA, Stephen (Civil Engineering)***Development and optimisation of a combined small-scale low-cost point-of-use water treatment system***

Access to safe drinking water is still limited in developing countries. Point-of-use water treatment is a feasible solution to this problem. A range of point-of-use drinking water systems was developed and tested. Knowledge gained culminated in the development of a final combined system comprising three treatment stages: pre-filtration by geotextile fabric, followed by filtration and disinfection by silver-coated ceramic granular media and granular activated carbon filtration, and a treated water storage compartment. The system was mathematically modelled as a series of three compartments using disinfection models for silver inactivation and specialised colloidal filtration theory models for fibrous and granular filtration.

Supervisor: Dr IC Brink

SNYMAN, Stephan (Industrial Engineering)***Design and development of a real-time scheduling system in a sensorised job shop using cloud-based simulation with mobile device access***

A real-time simulation scheduling system, which serves as a decision support tool for rescheduling machine steps in a job shop, was developed. It incorporates cloud-based data storage, a sophisticated simulation scheduler, a web interface for logging system disturbances and sensors that track the movement of jobs through the shop. The simulation scheduler is a digital twin of a real-world shop and optimises a bi-objective problem, with a novel combination of two objectives, by using several metaheuristics. After optimisation, the scheduler uses a novel ranking and selection procedure to select the best schedules while guaranteeing the probability of selection of the correct schedules.

Supervisor: Prof JF Bekker

TLALI, Pushman Michael (Electrical Engineering)***Design and performance evaluation of a permanent magnet vernier machine for wind turbine generator applications***

This study focused on the design and evaluation of the permanent magnet vernier machine (PMVM) technology for wind power applications. A comparative study of different PMVM topologies was conducted using finite element analysis and numerical optimisation to investigate their performance capabilities. To validate the design methodology, an optimally designed 15-kW prototype PMVM was constructed, tested and compared with a conventional permanent magnet machine. Further, the feasibility of using PMVM technology for large wind power applications was also evaluated in terms of performance, costs and weight. The study shows that PMVM technology can be an attractive alternative for utility-scale wind power applications.

Supervisor: Prof R-J Wang

TOMBIDO, Locadia Linda (Industrial Engineering)***A systems dynamics investigation into the impact of capacity limitations on the bullwhip effect in a closed-loop supply chain with remanufacturing***

This study extended the concept of the bullwhip effect in supply chains to closed-loop supply chains with capacity limits. Systems dynamics simulation was used to conduct 'what-if' analyses of different scenarios to derive useful managerial insights into reverse logistics. The findings encourage the practice of reverse logistics, as this not only protects the environment, but also improves supply chain dynamics. However, having capacity constraints in a closed-loop supply chain increases the bullwhip effect. It is recommended that companies first consider the size and speed of the demand of items before deciding on capacity expansion policies in a closed-loop supply chain.

Supervisor: Prof L Louw

Co-supervisor: Dr J van Eeden

VAN STADEN, Ruben (Electronic Engineering)***A physical design verification framework of superconducting electronics***

A new software framework, SPiRA, is proposed to improve the reliability of physical design for superconductor integrated circuits. SPiRA provides automatic device detection and netlist extraction from layouts and uses a parameterised methodology to effectively define and detect circuit devices. After device detection, an electrical rule-checking algorithm is executed to add connection information for netlist extraction. Netlist extraction is done using a new method called mesh-to-netlist in conjunction with a branch detection algorithm to identify individual conducting branches. A method called validate-by-design introduces parameter restrictions to a design that limits a designer from violating process design rules.

Supervisor: Prof CJ Fourie

VAN ZYL, Amore (Industrial Engineering)***System dynamics modelling as policy decision support for retaining and recycling water within urban water system to address water scarcity – the case study of the City of Cape Town***

This study applied system dynamics modelling and case study research to address water shortages experienced in the City of Cape Town. In addition to diversifying the City's water resources, additional value can be extracted from within the water system. The model found that the combined implementation of rainwater harvesting, greywater reuse and decentralised wastewater treatment adequately addressed water supply stress over the simulation period 2001 to 2040. The model results exhibited expected oscillatory behaviour in response to dynamic changes in consumption patterns and available water supply. Furthermore, continuous evaluation of intervention actions is necessary to balance the growing urban demand.

Supervisor: Dr JL Jooste

VONKEMAN, Jeanine Karen (Civil Engineering)***Coupled fully three-dimensional hydro-morphodynamic modelling of bridge pier scour in an alluvial bed***

Bridge pier scour is a key mechanism responsible for the collapse of bridges founded in alluvial beds.

Improved prediction methods for pier scour were investigated by physical modelling, empirical equations and numerical modelling. Improved HEC-18 equations were developed from field data based on the particle Reynolds number. Although extensive research has been conducted on bridge pier scour since the 1950s, comparatively few studies address the modelling of complex vortices with sediment transport at piers. An improved coupled fully three-dimensional hydro-morphodynamic model with the immersed boundary method and Reynolds stress turbulence model was developed to simulate pier scour.

Supervisor: Prof GR Basson

Co-supervisor: Prof F Smit

**Dokter in die Ingenieurswese
Doctor of Engineering****MEYER, Petrie (Electronic Engineering)*****Contributions to microwave passive component design***

The candidate established himself as an expert in the modelling and structural design of microwave subsystems and antennas. In particular, he and his research group significantly contributed to the field of microwave filters. His research includes contributions on advanced numerical modelling and analysis techniques, model-based optimisation techniques and innovative structural design, applied to the fields of radar and communications, radio astronomy and new-generation 5G communication networks. His work has advanced the field in a number of aspects, as is evident from his extensive publication record and the material impact on local and international industry.

Supervisor: Prof CJ Fourie

Fakulteit Ingenieurswese | Faculty of Engineering

Magister in die Ingenieurswese

Master of Engineering

Abrey, Ryan Phillip Shaw (Civil Engineering)
 Appollis, Logan-Lee Michè (Engineering Management)(*cum laude*)
 Bester, Alo-Helene (Electronic Engineering)
 Bosman, Catharine Elizabeth (Chemical Engineering)
 Buys, Christiaan Ernst (Civil Engineering)(*cum laude*)
 Ceaser, Regan (Chemical Engineering)
 Claase, Arno (Chemical Engineering)
 Coetzee, Lauren Lize (Industrial Engineering)
 Delport, Kobus (Civil Engineering)(*cum laude*)
 Do Amaral, Dino Roberto (Civil Engineering)(*cum laude*)
 Dorfling, Johannes Adolf (Civil Engineering)
 Dymond, Wayne Peter (Electrical Engineering)(*cum laude*)
 Fourie, Jean Jacques (Engineering Management)
 Gerber, Stefan (Electrical Engineering)(*cum laude*)
 Gray, Christopher Patrick (Electrical Engineering)
 Grotepass, Francois Jan (Civil Engineering)
 Herbst, Jacqueline (Chemical Engineering)
 Hoffman, Kyle (Civil Engineering)(*cum laude*)
 Hurter, Ruan Martin (Chemical Engineering)(*cum laude*)
 Kehinde, Abiola Gboyega (Mechanical Engineering)
 Koech, Jackline (Electronic Engineering)(*cum laude*)
 Laubscher, Willem Adriaan (Electrical Engineering)
 Lester, Lauren Andrea (Civil Engineering)(*cum laude*)
 Lubbe, Joachim Foster (Mechanical Engineering)
 Mangwende, Edwin (Electrical Engineering)
 Mapowo, Newton (Engineering Management)
 Mdlangaso, Solomzi Soletu (Civil Engineering)
 Mohr, Wilko Stefan (Civil Engineering)(*cum laude*)
 Muatunga, Ndahamebelela Ndapewa Ndesihafela (Industrial Engineering)
 Musakwa, Rodney (Engineering Management)
 Mwiinga Chimbanga, Bubala (Civil Engineering)
 Nel, Philip (Mechanical Engineering)
 Ochabski, Thomas Michal (Mechanical Engineering)(*cum laude*)
 Ollier, N'goran Nogue (Mechanical Engineering)(*cum laude*)
 Pereira Ingles, Joelcia Melissa Da Franca (Electronic Engineering)
 Premraj, Ashneil (Civil Engineering)
 Rambridge, Shivan (Civil Engineering)
 Rautenbach, Willem Johannes (Engineering Management)
 Ripunda, Cheroline (Electronic Engineering)
 Saul, Cleopatra Lerato (Chemical Engineering)
 Snijder, Janneke (Civil Engineering)
 Steele, Angus William Du Toit (Electronic Engineering)
 Sterne, Lawrence Neil (Civil Engineering)
 Theron, Pieter Francois (Civil Engineering)
 Thomas, Todd Jason (Civil Engineering)
 Truter, Jacobus Christoffel (Electronic Engineering)(*cum laude*)
 Tucker, Mandy (Extractive Metallurgical Engineering)(*cum laude*)
 Uys, Pieter Johannes (Mechatronic Engineering)(*cum laude*)
 Van der Merwe, Hendrik Lodewyk (Industrial Engineering)
 Van Niekerk, Jacobus Everhardus (Mechanical Engineering)(*cum laude*)
 Van Schalkwyk, Dominique Lisa (Chemical Engineering)(*cum laude*)

Van Wyk, Linda Alida (Chemical Engineering)(*cum laude*)
 Venter, Jurie Heinrich (Civil Engineering)(*cum laude*)
 Viljoen, Marga Christine (Mechanical Engineering)
 Visser, Jacobus Christiaan (Industrial Engineering)
 Von Wielligh, Christiaan Lodewyk (Electronic Engineering)
 Xu, Zhehua (Chemical Engineering)(*cum laude*)
 Zietsman, Johan Hendrik (Engineering Management)

Nagraadse Diploma in die Ingenieurswese

Postgraduate Diploma in Engineering

Addison, Matthew Peter (*cum laude*)
 Nigrini, Vianca (*cum laude*)
 Nulliah, Puvasen
 Smith, Elroy Peter
 Tshuma, Phakamani
 Viljoen, Thomas Johannes
 Wekenborg, Cristine Leonie

Baccalaureus in die Ingenieurswese

Bachelor of Engineering

Adams, Jamie Kristen (Chemical)
 Adams, Laura-Ashley (Civil)
 Adriaanse, Robert James (Electrical and Electronic)
 Africa, Christopher (Electrical and Electronic)
 Allen, Tamara Candice (Mechatronics)
 Anker, Carike (Mechatronics)(*cum laude*)
 Appies, Eduardo Jovan (Mechanical)
 Bailey, Jethro Dexter (Chemical)
 Barnard, Carome (Industrial)(*cum laude*)
 Barnard, Christan (Industrial)(*cum laude*)
 Barnard, Kristin (Chemical)
 Batt, Richard John (Electrical and Electronic)
 Bekker, Arno (Mechatronics)
 Bester, Morné (Industrial)(*cum laude*)
 Bettman, Annebelle (Industrial)
 Bezuidenhout, Lafras Nortje (Mechanical)
 Bezuidenhout, Anri (Electrical and Electronic)
 Bezuidenhout, Mariska (Industrial)
 Biet, Aidan Thomas (Chemical)(*cum laude*)
 Bongers, Leigh (Electrical and Electronic)
 Booysen, Simone (Civil)
 Bommman, Andries Johannes (Mechatronics)
 Boshoff, Francois Daneel (Mechanical)
 Botes, Welri (Mechatronics)(*cum laude*)
 Botha, Ayden Dennis (Civil)
 Botha, Daniel Johannes (Industrial)
 Botha, Eden Daniel (Chemical)
 Botha, Lyle Joseph (Mechatronics)
 Bothma, Aneshka (Electrical and Electronic)
 Bouwer, Kristi (Industrial)(*cum laude*)
 Brand, Michiel Hendrik (Electrical and Electronic)
 Bras, Edward Hendrik (Chemical)
 Bridger, Quewin Luke (Chemical)
 Briedenhann, Luan (Electrical and Electronic)

Briers, Johannes Albertus Myburgh (Civil)
 Brinkley, Drew Peter (Mechanical)
 Brönn, Karla (Mechatronics)
 Brown, Cayleigh Tyla (Mechatronics)
 Britan, Jessika Cher (Mechanical)
 Bunn, Nicholas Raymond (Mechatronics)
 Burger, André Jacques (Mechanical)
 Burger, Danike (Chemical)
 Burger, Janel (Civil)
 Burger, Nadine (Industrial)
 Butler, Petrea (Industrial)(*cum laude*)
 Callaghan, Hayden Reid (Mechanical)
 Cassiem, Moegamad Shaakir (Electrical and Electronic)
 Cavanagh, Connor Paul Campbell (Civil)
 Chan, Zi-Wan Simone (Mechatronics)
 Chang, Zhi Yao (Mechatronics)
 Chikuhuhu, Wadzanai (Civil)
 Christen, Heidi Elisabeth (Civil)(*cum laude*)
 Chung, Sung Hee (Mechatronics)
 Clarke, Vincent Phibbs (Mechatronics)(*cum laude*)
 Coetzee, Christian-Albert (Electrical and Electronic)
 Coetzee, Daniel (Mechanical)
 Coetzee, Gustav (Mechatronics)(*cum laude*)
 Conrad, Nathan Lionel (Industrial)
 Coombes, Michael Arthur (Mechanical)
 Cordeiro, Brandon (Chemical)(*cum laude*)
 Cox, Ziyaad (Electrical and Electronic)
 Coxon, Timothy John (Civil)
 Crawford, Jenna Bridget (Mechatronics)
 Cronje, Yakim (Chemical)
 Cuperus, Aldert Harm (Electrical and Electronic)
 Da Silva, Marco (Mechanical)
 De Beer, Janke (Mechatronics)
 De Beer, Samuel Heinrich (Industrial)
 De Jongh, Lana (Civil)
 De Klerk, Albertus Johannes (Electrical and Electronic)
 De Kock, Lourens Miga (Mechatronics)
 De Kock, Stephanus Lourens (Industrial)
 De Koker, Benjamin Esley (Electrical and Electronic)
 De la Bat, Ritzema Steytler (Civil)
 De Leeuw, Marthie (Chemical)
 De Necker, Lana (Industrial)
 De Villiers, James Garrett (Mechanical)(*cum laude*)
 De Villiers, Jean-Marié (Mechatronics)(*cum laude*)
 De Villiers, Pierre Andre (Mechatronics)
 De Waal, Pieter Charl (Electrical and Electronic)
 De Wet, Ariana (Chemical)
 De Wet, Audrey (Chemical)
 De Wet, Dante (Chemical)
 Deacon, Quintus (Industrial)
 Devenish, Andrea (Industrial)(*cum laude*)
 Dhansay, Riyaadh (Electrical and Electronic)
 Dhoda, Yusuf Jacob (Mechatronics)
 Diemer, Jörn Heiner (Mechatronics)
 Dippenaar, Neil (Civil)
 Dlova, Porchia (Mechanical)
 Donn, Dillon Lee (Mechanical)
 Dorrington, Sebastian John (Industrial)
 Du Plessis, Barend Jacobus Gert Wessel (Electrical and Electronic)
 Du Plessis, Charl Francois (Electrical and Electronic)
 Du Plessis, Eunice (Mechatronics)
 Du Plessis, Gior Bryan (Electrical and Electronic)
 Du Plessis, Lisa (Industrial)
 Du Plessis, Martin Johannes (Industrial)
 Du Plessis, Susanna Hendrina (Chemical)
 Du Toit, Andries Willem (Industrial)
 Du Toit, Paul-Stefan (Electrical and Electronic)
 Du Toit, Wadda Benjamin (Mechatronics)
 Duminy, Theunis Lodewyk (Industrial)
 Duvenhage, Hein-Pierre (Civil)
 Ebrahim, Taskeen (Mechatronics)
 Edwards, David James Erich (Electrical and Electronic)
 Ehlers, Anri (Industrial)
 Erasmus, Johann (Chemical)
 Erasmus, Petrus Johannes (Mechatronics)
 Essa, Hamzah (Civil)
 Evans, Benjamin David (Mechatronics)
 Ferreira, Fabian Ethan (Chemical)
 Ferreira, Luriza (Industrial)
 Findlay, Matt Robert (Chemical)
 Flemming, Alexander (Industrial)
 Fouche, Paul Stefanus (Chemical)
 Fourie, Franco Marius (Electrical and Electronic)
 Fourie, Jack Duncan (Electrical and Electronic)
 Fourie, Johan Hendrik (Civil)
 Frost, Keiron Luke (Chemical)(*cum laude*)
 Fynn, Jason Grant (Electrical and Electronic)
 Gangat, Mohamed Riyadh Haroon (Civil)
 Geldenhuys, Christiaan Martinus (Electrical and Electronic)
 Gent, Michael Stuart (Mechatronics)
 Gerber, Daymen (Civil)
 Gerber, Josie Barbara (Industrial)
 Goos, Pieter (Electrical and Electronic)
 Goudvis, Christopher Leigh (Mechatronics)
 Gouws, Sasha Dawn (Industrial)
 Greeff, Glen Norman (Chemical)
 Grobbelaar, Grant Eric Mieny (Mechatronics)
 Grobbelaar, Hendrik Cornel (Mechanical)
 Grobbelaar, Sune (Chemical)
 Groenewald, Stephanus Johannes (Civil)
 Günzel, Friedhelm Stefan (Civil)
 Hall, Tessa (Electrical and Electronic)(*cum laude*)
 Haller, Walt Dux (Industrial)
 Hart, Dylan John (Civil)
 Hartmann, Heinrich (Electrical and Electronic)
 Hattingh, Shane John (Electrical and Electronic)
 Heath, Reynard Johan (Mechanical)
 Hestermann, Elke (Mechatronics)
 Heynemann, Marli (Mechanical)
 Hibbert, Lawrence George (Civil)
 Hill, Calvin Hugh (Mechatronics)
 Hill, Laurence Gordon (Mechatronics)
 Hinks, Storm Alma (Mechanical)
 Hobson, Stuart Graham (Chemical)

Holtzhausen, Danie Malan (Electrical and Electronic)
 Hunter, Jonathan Douglas (Civil)
 Inama, Thato Thabang (Chemical)
 Jack, Mbalentle (Civil)
 Jackson, Matthew Roy William (Industrial)
 Jacobs, Christiaan (Electrical and Electronic)(*cum laude*)
 Jacobs, Kenneth Harry (Mechatronics)
 Jansen, Tyron Rubin (Chemical)
 Jansen van Vuren, Joshua Miles (Electrical and Electronic)(*cum laude*)
 Jantjies, Raylin Randall (Chemical)
 Johnson, Carla Ashleigh (Industrial)
 Johnston, Cayleigh Emma (Industrial)
 Jones, Jonathan Marc (Electrical and Electronic)
 Jordaan, Kayla Ingrid (Mechatronics)
 Jordaan, Luan Anthony (Industrial)
 Jordaan, Ludwig Hendrik (Electrical and Electronic)
 Jordaan, Ruan (Mechatronics)
 Jordaan, Sebastian Henri (Industrial)
 Kasperski, Sasha Dalena (Chemical)
 Knoesen, Andrew Malan (Mechatronics)
 Knoll, Jacques Egmont (Industrial)
 Koch, Daniel Gerhardus (Civil)
 Konidaris, Nicholas (Electrical and Electronic)
 Kotze, Hanna (Industrial)
 Kotzé, Jan Christiaan (Civil)
 Kotze', Kenan (Industrial)
 Kramer, Dp (Mechatronics)
 Krause, Gerhard Jaco (Mechatronics)
 Kriek, Christi Gepke (Chemical)
 Krischock, Rebecca Rose (Chemical)
 Krog, Susanna Catherina (Industrial)
 Krohnert, Herman-Christiaan (Mechanical)
 Krouwel, Michael William (Mechatronics)
 Kruger, Bingle Stegmann (Industrial)
 Kruger, Christi (Industrial)
 Kruger, Cornelius Christoffel (Mechanical)
 La Vita, Kirsten Carla (Chemical)
 Laird, Bronwyn Elizabeth (Chemical)
 Lambrechts, Johannes (Electrical and Electronic)
 Lambrechts, Johannes Jacobus (Industrial)(*cum laude*)
 Lamprecht, Christiaan Gerrit (Electrical and Electronic)
 Landman, Rossouw Johan Frederick (Mechatronics)(*cum laude*)
 Laubscher, Jennifer Mignonne (Industrial)
 Laubscher, Stefan (Mechanical)
 Le Roux, Marthinus Johannes (Mechanical)
 Leonards, Melissa Joy (Civil)
 Lewis, Jeffrey Tudor (Electrical and Electronic)
 Liebenberg, Ben Ramsay (Electrical and Electronic)
 Lind, Grant Peter (Mechanical)
 Lingenfelder, Tanya (Civil)
 Lisutu, Colette Thando (Mechatronics)
 Lourens, Daniel (Civil)
 Lourens, Karla (Electrical and Electronic)
 Louw, Jakobus Murray (Mechanical)(*cum laude*)
 Louw, Michéle (Mechatronics)
 Lowry, Kerin Anne (Electrical and Electronic)
 Lubbe, Nicolaas Francois (Civil)
 Luterek, Kazimiera (Mechanical)
 Lutzeler, Alex Heinz (Industrial)
 Luus, Jaco (Mechanical)(*cum laude*)
 Madonsela, Sphiwe Manqoba (Industrial)
 Madzivanyika, Panashe Lucy (Electrical and Electronic)
 Mahlangu, Lungile Vinolia (Industrial Engineering)
 Majiet, Mieshka (Chemical)
 Makan, Bela (Chemical)
 Makan, Bernard Theodore (Electrical and Electronic)
 Malan, Alexander Michiel (Industrial)
 Malan, Jean De'm (Civil)(*cum laude*)
 Malan, Phillip Christian (Industrial)(*cum laude*)
 Marais, Abraham Christoffel (Mechatronics)
 Marais, Johanna Tertia (Chemical)
 Maree, Chelaine (Chemical)
 Masefield, Nicholas Robert (Industrial)
 Mashego, Kendrick (Chemical)
 Mashego, Tebogo Mlibaleng (Mechanical)
 Mashilwane, Gift Mpho (Chemical)
 Mason, Shaun (Mechatronics)
 Mathee, Pieter (Mechatronics)
 Matthee, Lambert Hendrik (Chemical)
 Mbanga, Yolokazi (Civil)
 Mbebe, Ntsikayomzi Phoenix (Industrial)
 Mc Clelland, Michelle (Industrial)
 McLeod, Liam Gunn (Mechatronics)
 Meiring, Jaco Come (Mechanical)
 Merbold, Ghiete (Civil)
 Meyer, Jacques Muller (Electrical and Electronic)
 Miller, Justin Richard (Mechatronics)
 Mkhonza, Themba Fannie (Mechanical)
 Mogale, Setekoane Phillemon (Civil)
 Mokime, Phemelo Gedion (Mechanical)
 Mokobori, Ts'oeu Benjamin (Mechanical)
 Molefi, Thulani Vusumzi (Chemical)
 Möller, Heinrich Francois (Chemical)
 Mong, Danica (Civil)
 Monoto, Thabo (Electrical and Electronic)
 Moore, Nadine Elizabeth (Chemical)
 Moore, Willem Roux (Industrial)
 Moremoholo, Morena (Mechatronics)
 Morley, Elizabeth Anna (Industrial)
 Mostert, Johannes Frans (Electrical and Electronic)
 Mostert, Natasha Claire (Mechatronics)
 Moxley, Andrew Todd (Mechatronics)
 Mthembu, Sizwe (Mechanical)
 Mudaly, Zekiell (Chemical)
 Munro, Gilmore Frederick (Civil)
 Naicker, Akashni (Electrical and Electronic)
 Naicker, Semai (Mechatronics)
 Neethling, Lize (Civil)
 Nel, Casparus Jan Hendrik Lukas (Mechatronics)
 Nel, Robyn (Industrial)
 Nel, Tristan (Electrical and Electronic)
 Nell, Nicholas Jakobus (Electrical and Electronic)(*cum laude*)
 Nesar, James Edward (Mechatronics)
 Niemand, Micheal Christopher (Civil)

Nieuwoudt, Matthys Michiel (Mechanical)
 Nuunyango, Ismael (Civil)
 Nwagboso, Oluchi Esther (Chemical)
 Obermeyer, Heino Stewart (Industrial)
 October, Lauren Michelle (Civil)
 Oelofsen, Francois (Mechanical)
 Olivier, Johannes Stephanus (Civil)
 Olivier, Steyn (Mechatronics)
 Olivier, Tianca (Civil)
 Oosthuizen, Franco Johannes Jacobus (Mechanical)
 Oosthuizen, Lelani (Industrial)
 Oosthuysen, Christian (Civil)(*cum laude*)
 Page, Jamie Bryan (Mechanical)
 Parton, Callum Travers (Industrial)
 Peach, Tim Andre (Mechatronics)
 Penaluna, Stuart Michael (Industrial)
 Perrie, Cailin (Industrial)(*cum laude*)
 Pferdekamper, Karl-Heinz (Mechatronics)
 Phillip, Leyya (Mechanical)
 Pienaar, Jacomien (Mechanical)
 Pretorius, Dean (Electrical and Electronic)
 Pretorius, Michael Johan (Civil)
 Pretorius, Schalk (Mechatronics)
 Rabie, Nadia (Civil)
 Rabikoosun, Sagal (Mechanical)
 Rademeyer, Hermanus Petrus (Industrial)
 Rall, Wayne Calitz Von Wielligh (Electrical and Electronic)
 Ramsay, Gareth Allan (Mechanical)(*cum laude*)
 Reddig, Cara Svenja (Mechanical)
 Redelinghuys, Louw Gysbert (Mechanical)(*cum laude*)
 Redelinghuys, Manie Crafford (Mechanical)
 Redelinghuys, Zaan (Industrial)
 Relling, Simónne (Industrial)
 Revelas, Alexander Lawrence (Mechanical)
 Ribeiro, Marco Paulo Lourenço (Electrical and Electronic)(*cum laude*)
 Richardson, Thomas Derek (Industrial)(*cum laude*)
 Robbertse, Jean-Jacques (Chemical)
 Robertson, Matthew Steele (Industrial)
 Robinson, Simon (Electrical and Electronic)
 Rooy, Regan Santhen (Mechatronics)
 Rudolph, Sabrina Mary-Ann (Mechanical)
 Rühling, Mignon (Industrial)(*cum laude*)
 Rust, Dirk (Mechanical)
 Ruthven, Pieter Gehard (Civil)
 Salasa, Mogamat Allie (Civil)
 Sauer, Alrich (Civil)
 Scheepers, Jason Geoff (Mechanical)
 Schickerling, Angelique (Industrial)
 Schleich, Stella Andrea Julia (Electrical and Electronic)
 Schrieffer, Don David Denis (Electrical and Electronic)
 Schultz, Sebastian Kent (Chemical)
 Schutte, Christiaan Phillipus (Mechanical)
 Schutte, Heinri Pierre (Electrical and Electronic)
 Schutte, Hendrik Jakobus (Industrial)
 Sebuyira, Kintu-Kisule (Civil)
 Shuttleworth, Scott Michael (Civil)
 Sikhosana, Yandisa Melissa (Electrical and Electronic)
 Simmonds, Gareth James (Civil)
 Simonis, Judene (Industrial)
 Sinclair, Thomas Albert (Mechanical)
 Skeat, Justin Gordon (Mechatronics)
 Smit, Johan Du Preez (Mechatronics)
 Smit, Josh Shane (Industrial)
 Smit, Nicole (Electrical and Electronic)
 Smith, Alexander Frederik (Mechatronics)
 Smith, Jeanne (Chemical)
 Smith, Ruan Edward (Mechanical)
 Smith, Willem Johannes (Chemical)
 Snyders, Francois Jurgens (Electrical and Electronic)
 Sondag, Muzakkir (Mechatronics)
 Songca, Sibabalwe Ngazibini (Chemical)
 Sparrow, Mitchell Blair (Mechatronics)
 Stain, Zena (Mechatronics)
 Stander, Charl Dirk (Industrial)
 Stap, Tyron Ian (Civil)
 Steenkamp, Caleb (Electrical and Electronic)
 Steenkamp, Gerhardus Marthinus (Mechanical)
 Steenkamp, Pieter Jacobus (Industrial)
 Stergjanos, Theo John (Civil)
 Sterrenberg, William (Electrical and Electronic)
 Steyn, Barend Johannes (Mechatronics)(*cum laude*)
 Steyn, Gideon Jacobus Joubert (Mechanical)
 Steyn, Zak Cilliers (Civil)
 Stofberg, Hester Jacoba (Chemical)
 Stofberg, Pieter Jacobus Daniël (Civil)
 Stoll, Vincent Luiz (Industrial)
 Stoop, Jacques Andre (Mechatronics)
 Strauss, Sabrina Robyn (Mechatronics)
 Ströhfeldt, Willem Petrus (Electrical and Electronic)
 Stuck, Faryn Megan (Electrical and Electronic)
 Sukhnandan, Jurad (Civil)
 Swanepoel, Monice-Marie (Mechatronics)
 Swanepoel, Nita (Industrial)
 Swanepoel, Thea Martenique (Industrial)
 Swart, Earl Sarel (Electrical and Electronic)
 Swart, Lamont (Industrial)
 Swart, Sarel Petrus (Chemical)
 Swart, Thehan (Mechatronics)
 Swarts, Geran Marcello (Mechatronics)
 Swiegers, David Lourens (Chemical)
 Taverner, Nigel Ethan (Industrial)
 Telemachus, Jody (Electrical and Electronic)
 Terblanche, Réhantus (Electrical and Electronic)
 Theron, Adriaan (Industrial Engineering)
 Theron, Megan Rachel (Chemical)(*cum laude*)
 Tivaty, Gerald Nyasha (Mechanical)
 Toerien, Tana Eleanor (Industrial)
 Toulouras, Peter George (Mechanical)
 Tshambula, Gcina (Electrical and Electronic)
 Tucker, Craig Kidger (Industrial)
 Turner, Garth Raymond (Industrial)
 Turner, James (Electrical and Electronic)
 Udall, Chrystal Bianca (Industrial)(*cum laude*)
 Undre, Zubair Adam (Mechanical)

Uys, Johannes Jacobus Petrus (Electrical and Electronic)
 Uys, Robert De Waal (Industrial)
 Uys, Wilmien (Chemical)
 Van Aardt, Carel Gustavus (Civil)
 Van Breda, Ilicia Martie (Industrial)
 Van der Merwe, Daniel (Electrical and Electronic)
 Van der Merwe, Janco (Mechatronics)
 Van der Merwe, Nicolene (Industrial)
 Van der Merwe, Philippus Petrus (Mechatronics)
 Van der Merwe, Stefani (Industrial)
 Van der Merwe, Werner (Electrical and Electronic)
 Van der Rijst, Madeli (Chemical)
 Van der Spuy, Herline (Civil)
 Van der Veen, Marcel (Industrial)
 Van der Watt, Gerdus (Civil)
 Van der Watt, Liezl Carien (Chemical)
 Van der Westhuizen, Hendrik Lourens (Mechanical)
 Van der Westhuizen, Markus (Industrial)(*cum laude*)
 Van Deventer, Johann Herman (Industrial)
 Van Dyk, Jurie Wynand (Mechatronics)
 Van Eeden, Thomas Francois (Chemical)
 Van Heerden, André (Electrical and Electronic)
 Van Niekerk, Andre (Mechanical)
 Van Niekerk, Daniel Jacobus (Mechatronics)(*cum laude*)
 Van Niekerk, Michaela (Chemical)
 Van Niekerk, Tasha (Chemical)
 Van Niekerk, Tiniel (Industrial)
 Van Oosten, Anthony Jonathan (Mechatronics)
 Van Rensburg, Albertus Gerhardus (Civil)
 Van Rensburg, Chrisstoffel Jacobus (Mechanical)
 Van Rensburg, Jacobus Johannes (Industrial)
 Van Rensburg, Kiyan (Civil)
 Van Rhyn, Imile (Civil)
 Van Rooyen, Chezlee (Mechanical)
 Van Rooyen, Frances (Industrial)
 Van Rooyen, Juanita Claudia (Industrial)
 Van Schalkwyk, Ané (Industrial)
 Van Schoor, Daniëlle Susan (Electrical and Electronic)
 Van Sittert, Dylan James (Chemical)
 Van Staden, Keziah Ilmar (Mechatronics)
 Van Tonder, Ruan Henry (Electrical and Electronic)(*cum laude*)
 Van Wyk, Anlo Michael (Mechatronics)
 Van Wyk, Llewellyn (Electrical and Electronic)
 Van Wyngaardt, Darren (Electrical and Electronic)
 Van Zyl, Francois Johan (Electrical and Electronic)
 Van Zyl, Mamus (Electrical and Electronic)
 Van Zyl, Migael Antonie (Electrical and Electronic)
 Van Zyl, Niel (Industrial)
 Venter, Louis Maree (Civil)
 Venter, Michal Barend (Civil)
 Vermeulen, Chanelene (Civil)
 Verster, Simone Louisa (Chemical)
 Visagie, Georg Frederik (Electrical and Electronic)
 Visser, Dirk (Chemical)
 Visser, Stefanus Olivier (Civil)
 Voges, Melanie (Chemical)
 Volkmann, Sven-Thomas (Civil)
 Von Benecke, Timon Christiaan (Civil)
 Vorster, Armand (Civil)
 Vorster, Barend Jacobus (Industrial)
 Wagenaar, Cian (Industrial)
 Waller, Robert James (Mechatronics)(*cum laude*)
 Wallis, Brandon (Chemical)(*cum laude*)
 Warren, Stuart Bentley (Mechanical)
 Wasserman, Alexander (Mechatronics)
 Wasserman, Johan Daniël (Civil)
 Waters, Danial Terry (Mechanical)
 Waugh, Jason (Electrical and Electronic)
 Wessels, Francois Jacques (Mechanical)
 Weyermüller, Evan (Electrical and Electronic)(*cum laude*)
 Weyers, Ernie (Industrial)
 Wild, Ryan Micheal (Chemical)
 Wildenboer, Louis Werner (Electrical and Electronic)
 Williams, Justin (Civil)
 Williams, Thiyolann (Industrial)
 Wilson, Jg (Mechanical)
 Wolf, Dieter Erhard (Industrial)
 Wolmarans, Jacques (Electrical and Electronic)
 Woodman, Devon John (Mechatronics)
 Wright, Gavin (Electrical and Electronic)
 Xenakis, Matthew (Electrical and Electronic)
 Zietsman, Hans Jurie (Industrial)(*cum laude*)
 Zozo, Xola Buntu (Civil)

KANSELIERSTOEKENNING | CHANCELLOR'S AWARD

Fakulteit Ingenieurswese | Faculty of Engineering

ANDRÉ BURGER

Prof André Burger het oor 15 jaar 'n uitstaande bydrae tot die Fakulteit Ingenieurswese en die SU as akademikus, navorser en bestuurder gelewer. Hy het op verskeie Fakulteits- en SU-komitees gedien en was vir ongeveer 11 jaar voorsitter van die Departement Prosesingenieurswese. Die Skeidingstechnologie-navorsingsgroep in Prosesingenieurswese, waarvan hy hoof is, geniet hoë internasionale aansien. Sy grootste bydrae tot leer en onderrig is waarskynlik sy leierskap op programvlak om te verseker dat die BIng (Chemiese Ingenieurswese) sedert hy by die Departement aangesluit het met al die akkrediteringsbesoeke van die Ingenieursraad van Suid-Afrika nog geen tekortkoming getoon het nie – inderdaad 'n unieke prestasie.

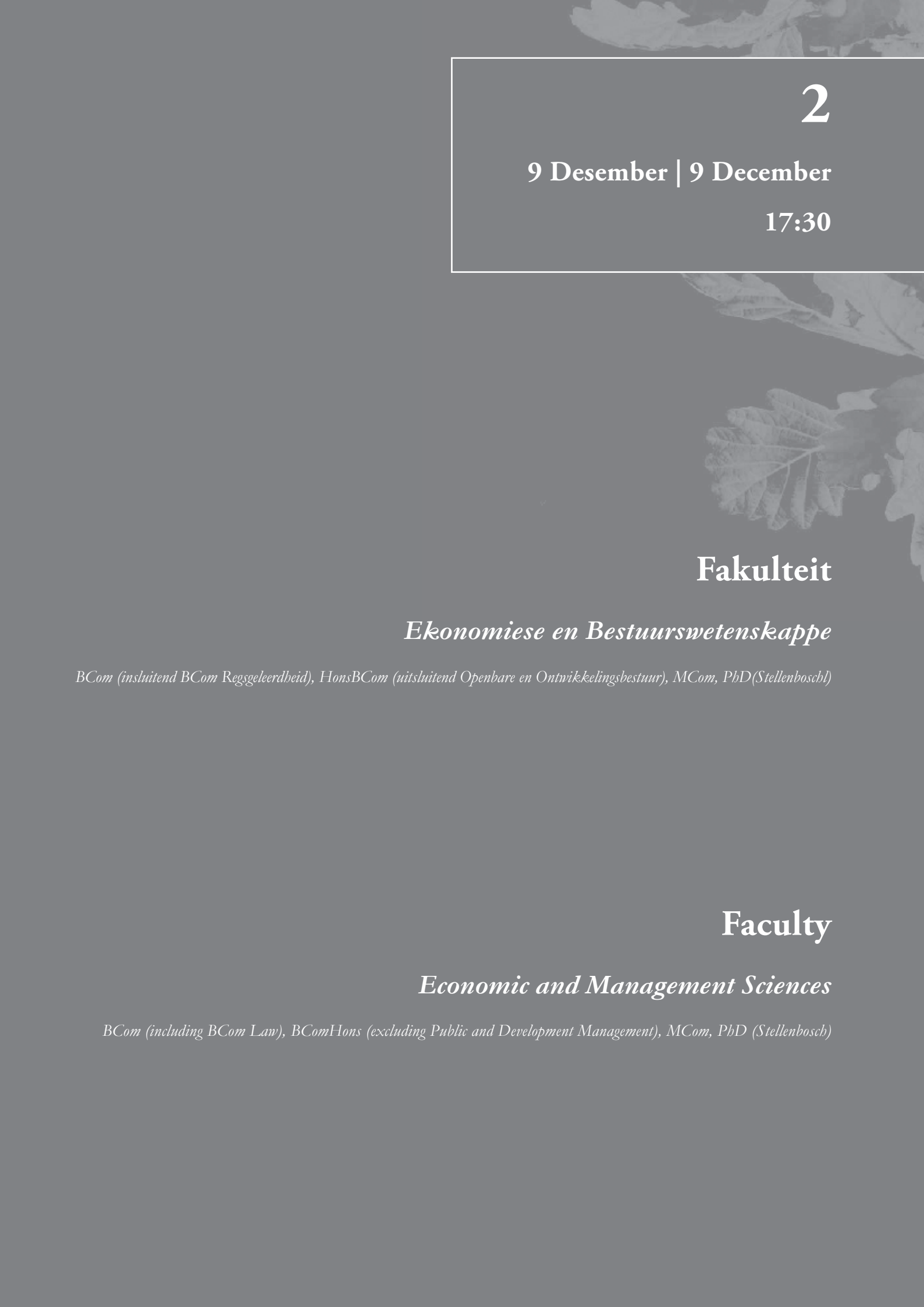
Over 15 years, Prof André Burger has made an outstanding contribution to the Faculty of Engineering and SU as academic, researcher and manager. He served on various Faculty and University committees and was chair of the Department of Process Engineering for approximately 11 years. The Separations Technology research group, which he heads, enjoys high international standing. His biggest contribution to learning and teaching is probably through his leadership at programme level to ensure that, since joining the Department, the BEng (Chemical Engineering) has not shown any deficiency during any of the accreditation visits by the Engineering Council of South Africa – indeed a unique achievement.

VINCENZO D'AGUANNO

Ingenieurswese se Fakulteitsbestuurder, Enzo D'Aguanno, het 'n bewese bydrae gelewer om die Fakulteit in staat te stel om in wese te verdubbel, die bedryfsbegrotingstekort te verminder en die navorsingsvoetspoor oor 'n tydperk van slegs tien jaar meer as te verdubbel. Dit is welbekend dat hy baie omgee vir die welstand van ons studentekorps sowel as die volhoubaarheid van die Fakulteit en sy fasiliteite. Sy agtergrond in en deeglike kennis van die Universiteit se finansiële stelsels stel hom in staat om die Bestuurspan oor belangrike prioriteite en toepaslike optrede te adviseer. Sy volgehoue inisiatief en bydrae oor 15 jaar het 'n groot impak op die Fakulteit én die breër Universiteit gemaak.

The Faculty of Engineering's manager, Enzo D'Aguanno, made a significant contribution to enable the Faculty to effectively double in size, reduce the operational budget shortfall and more than double the research footprint in a mere ten years. He is well known as someone who deeply cares about the well-being of our student body as well as the sustainability of the Faculty and its facilities. With his background in and thorough knowledge of the University's financial systems, he advises the Management Team on important priorities and appropriate actions. His sustained initiative and contribution over 15 years had a lasting impact on the Faculty and the broader University.





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9 Desember | 9 December

17:30

Fakulteit

Ekonomiese en Bestuurswetenskappe

BCom (insluitend BCom Regsgeleerdheid), HonsBCom (uitsluitend Openbare en Ontwikkelingsbestuur), MCom, PhD (Stellenbosch)

Faculty

Economic and Management Sciences

BCom (including BCom Law), BComHons (excluding Public and Development Management), MCom, PhD (Stellenbosch)

2

PROGRAM

- | | |
|------------------------|---|
| <i>Staan asseblief</i> | 1. Akademiese prosessie kom die saal binne. |
| <i>Staan asseblief</i> | 2. Sing van die Nasionale Lied (sien binnekant van die agterblad). |
| <i>Sit asseblief</i> | 3. Konstituering deur die Visekanselier. |
| | 4. Verwelkoming deur die Visekanselier. |
| | 5. Verwelkoming in Xhosa. |
| | 6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier. |
| | 7. Voorstelling van kandidaat vir die Kanselierstoekenning en oorhandiging van die toekenning deur die Visekanselier. |
| | 8. Sluiting deur die Visekanselier. |
| <i>Staan asseblief</i> | 9. Akademiese prosessie verlaat die verhoog. |

PROGRAMME

- | | |
|---------------------|--|
| <i>Please stand</i> | 1. Entrance of academic procession into the hall. |
| <i>Please stand</i> | 2. Singing of the National Anthem (see inside back cover). |
| <i>Please sit</i> | 3. Congregation formally constituted by the Vice-Chancellor. |
| | 4. Welcome by the Vice-Chancellor. |
| | 5. Welcome in Xhosa. |
| | 6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor. |
| | 7. Introduction of the candidate for the Chancellor's Award and presentation of the award by the Vice-Chancellor. |
| | 8. Closing by the Vice-Chancellor. |
| <i>Please stand</i> | 9. The academic procession leaves the stage. |

Fakulteit Ekonomiese en Bestuurswetenskappe *Faculty of Economic and Management Sciences*

Doktor in die Wysbegeerte **Doctor of Philosophy**

CHRISTIAN, Carmen Sue (Economics)

Exploring demand and supply constraints on early TB detection in South Africa

The aim of this study was to consider the role of demand- and supply-side constraints on early TB detection in South Africa. Three key factors were considered: the health-seeking behaviour of TB symptomatic people, the quality of TB care at the primary healthcare level and the role of nurse workloads in TB detection protocol compliance. The findings indicate that most people with a chronic cough do not seek care for it. Other findings imply that there is a stronger than expected responsiveness to TB detection in South Africa than the current literature would suggest, although it is clear that weaknesses remain.

Supervisor: Prof R Burger

Co-supervisor: Dr JW Burger, Prof Servaas van der Berg

EHLERS, Nelene (Economics)

Inflation expectations in South Africa: Non-rational, intertemporal and idiosyncratic heterogeneity represented by a term structure approach

This study contributes to the scholarship on the practice of monetary policy by challenging the foundations of inflation expectation representation in current policy models. The research shows that surveyed South Africans do not form inflation expectations rationally, mainly as a result of informational inefficiencies. South African inflation expectations are heterogeneous along a number of dimensions, especially over time. It is this plurality in expectation formation that requires alternative, appropriate empirical specifications to sufficiently represent this critical process in general monetary policy. To that end, the study applied term structure analyses to estimate inflation expectation term structures with particular focus on the perceived longer-term inflation expectation anchor.

Supervisor: Prof SA du Plessis

NIENKEMPER-SWANEPOEL, Johané (Mathematical Statistics)

Biplot methodology for analysing and evaluating missing multivariate nominal scaled data

The statistical analysis of data containing missing observations is a big challenge. Three core methodologies, namely categorical data analysis, missing data analysis and biplot visualisation, were combined to develop novel procedures to address this challenge. An extensive simulation study was conducted to evaluate the proposals. Guidelines to assist in the correct handling and unbiased visualisation of multivariate categorical missing data were established for technical and non-technical practitioners. Furthermore, the new methodology allows for identifying the underlying missing data mechanism through visualisation. This research culminated in a tool pack to equip the modern data analyst with essential skills to deal with missing observations.

Supervisor: Prof NJ le Roux

Co-supervisor: Prof S Lubbe

SEABE, Dineo (Economics)

An economic examination of non-profit accountability to client communities in South Africa

The research examined the accountability of non-profit organisations (NPOs) to client communities in South Africa based on 195 NPO surveys and 39 community group interviews in communities in the Eastern and Western Cape. The study provides an economic framework that can be used to understand the factors that shape NPO decisions about accountability to community stakeholders. The study also delivers pioneering work on NPO location decisions by examining spatial autocorrelation and investigating the effects of cross-border spillovers.

Supervisor: Prof R Burger

Co-supervisor: Prof M. Jegers

TERBLANCHE, Lee-Anne (Logistics Management)

A framework for sustainable road freight decarbonisation in South Africa

The focus of this study was on the development of the first road freight decarbonisation framework for South Africa. The framework identified four carbon-contributing decision-making influences and quantified the carbon emissions that each of these decisions contributes to total road freight emissions in South Africa. These main decision-making influences were broken down into nine smaller carbon variables to highlight how each of these variables contributes to total road freight carbon spend. It is now possible for South Africa to identify where the most significant carbon emissions decrease potential lies within road freight and what measures can be taken to decrease these emissions.

Supervisor: Prof L Goedhals-Gerber

Co-supervisor: Prof J Havenga

Fakulteit Ekonomiese en Bestuurswetenskappe *Faculty of Economic and Management Sciences*

Magister in die Handelswetenskappe

Master of Commerce

Albertyn, Eileen (Industrial Psychology)(*cum laude*)
 Botes, Philip Jacobus (Industrial Psychology)
 Burger, Frances (Taxation)(*cum laude*)
 Conradie, Christoff Anton (Logistics Management)(*cum laude*)
 De Klerk, Marissa (Industrial Psychology)
 De Kok, Marinus Bertus (Industrial Psychology)
 De Villiers, Adelaide (Industrial Psychology)
 Dreyer, Jan Adriaan (Business Management)(*cum laude*)
 Durr, Anri (Industrial Psychology)
 Engelbrecht, Marthinus Johannes (Logistics Management)(*cum laude*)
 Erasmus, Remert (Economics)(*cum laude*)
 Erasmus, Ruan Lourens (Economics)(*cum laude*)
 Fedeli, Savia (Logistics Management)(*cum laude*)
 Gausi, Thokozire (Economics)
 Grobbelaar, Zahn (Industrial Psychology)(*cum laude*)
 Heunis, Catherina Petra (Taxation)
 Human, Dirk Johannes (Operations Research)(*cum laude*)
 Kriek, Amor Gita (Industrial Psychology)(*cum laude*)
 Liebenberg, Ryno (Industrial Psychology)
 Manu, Benson Kwame (Transport Economics)
 Muningua, Annelisa (Industrial Psychology)
 Nieder-Heitmann, Marietjie (Industrial Psychology)
 Oosthuizen, Marlene (Taxation)
 Pienaar, Deidre (Industrial Psychology)
 Reddig, Jannes Andreas (Economics)
 Reitz, Islari (Industrial Psychology)
 Seland, Jonathan Mark (Industrial Psychology)(*cum laude*)
 Van Der Bank, Sonja Loryn (Industrial Psychology)(*cum laude*)
 Van Zyl, Reinette (Industrial Psychology)
 Vigario, Deborah (Quantitative Management)(*cum laude*)
 Werth, Heike (Business Management)
 Wessels, Zander Braam (Statistics)
 Wilken, Willem Johannes (Economics)(*cum laude*)

Honneurs-Baccalaureus in die Handelswetenskappe

Bachelor of Commerce Honours

Ahmed, Ishmat (Statistics)(*cum laude*)
 Alderslade, James William (Quantitative Management)
 Allen, Jenna-Leigh (Management Accounting)
 Allers, Diana Emma (Economics)
 Anderson, Catherine (Industrial Psychology)(*cum laude*)
 Aspelng, Carl Mark (Industrial Psychology)
 Baard, Devon Carl (Economics)
 Bampton, Roxanne (Industrial Psychology)
 Barnard, Dick Andre (Business Management: Financial Management)
 Bauer, Matthew Richard (Management Accounting)
 Bernhardt, Karl (Actuarial Science)
 Bester, Anja (Management Accounting)(*cum laude*)
 Bettings, Mignon (Logistics Management)
 Boltman, Lindi (Economics)
 Booysen, Nicole (Industrial Psychology)(*cum laude*)
 Bosch, Anchen (Mathematical Statistics)
 Botha, Aimee Nicole (Actuarial Science)
 Botha, Brandon (Actuarial Science)
 Botha, Gabriel (Industrial Psychology)
 Botha, Jana-Mari (Industrial Psychology)(*cum laude*)

Bourdin, Morgane Jeanne (Actuarial Science)
 Bouwer, Jancke (Business Management: Marketing Management)
 Brook, Sasha Lancaster (Financial Analysis)
 Burger, Jonathan Martin (Financial Analysis)
 Cadle, Wesleigh Stewart (Business Management: Financial Management)
 Campbell, Kayleigh (Management Accounting)
 Capes, Matthew Jarred (Business Management: Strategy and Innovation)
 Chiduwa, Melody (Logistics Management)
 Chiwayu, Betty (Economics)(*cum laude*)
 Christophers, Michaela Lyn (Management Accounting)
 Cloete, Neil (Financial Analysis)
 Coetzee, Ingrid (Management Accounting)
 Coetzee, Lara (Actuarial Science)
 Coetzer, Brandon Alexander (Transport Economics)(*cum laude*)
 Coetzer, Louwrens Erasmus (Management Accounting)
 Coleman, David Peter (Management Accounting)
 Cook, Amy Jean (Logistics Management)(*cum laude*)
 Corbett, Murray John (Business Management: Marketing Management)
 Cronje, Andre Pierre (Statistics)
 Davern-Caffery, Liam Michael (Financial Analysis)
 Davids, Shanice (Management Accounting)
 Davies, Gareth (Economics)
 De Castro, Michelle Jessica (Logistics Management)
 De Klerk-De Klerk, Nicola Helga (Operations Research)
 De Kock, Minette (Business Management: Marketing Management)
 De Waal, Adam (Financial Analysis)
 Dhalla, Fatimah (Operations Research)
 Dongeni, Thulani (Transport Economics)
 Dougall, Cailin (Industrial Psychology)(*cum laude*)
 Dowsley, Caitlin Diane (Logistics Management)(*cum laude*)
 Dreyer, Gerrit Jan (Actuarial Science)
 Dreyer, Mia (Logistics Management)(*cum laude*)
 Du Plessis, Dina Anje (Logistics Management)
 Du Plessis, Jean-Prieur (Management Accounting)
 Du Toit, Charl Baard (Business Management: Financial Management)
 Du Toit, Johannes Jacobus (Financial Analysis)
 Ehlers, Chante (Industrial Psychology)(*cum laude*)
 Ehlers, Jan Gerhardus (Statistics)
 Ellis, Esté (Economics)
 Els, Christiaan Stephanus Stephanus (Economics)
 Els, Petrus Jacobus Johannes Stephanus (Business Management: Strategy and Innovation)
 Engelbrecht, Elizma Suzaan (Industrial Psychology)
 Ferreira, Carla Alice (Industrial Psychology)
 Ferreira, Wallace (Management Accounting)
 Fisher, Laaiqah (Industrial Psychology)
 Floris, Tarryn Lee (Management Accounting)
 Forssman, Adrian Oscar (Business Management: Financial Management)
 Foster, Cameron Leith James (Financial Analysis)
 Fouche, Megan Jess (Business Management: Financial Management)
 Frielingsdorf, Kara Terien (Industrial Psychology)
 Gardener, Lloyd Frank (Logistics Management)(*cum laude*)
 Geyser, Stefan (Business Management: Strategy and Innovation)
 Giddings, Michael Ryan (Actuarial Science)
 Goldmann, Julian George (Economics)
 Goodwill, Tlhalefo (Industrial Psychology)
 Gounder, Nathan David (Financial Risk Management)

Gouws, Daniëlle (Business Management: Marketing Management)
Gouws, Yani (Business Management: Financial Management)
Grebe, Philicia (Business Management: Financial Management)
Greveling, Joslyn Ge (Statistics)
Halle, Rebecca (Industrial Psychology)
Hardnick, Cheré Danielle (Management Accounting)
Harley, Jared Ethan (Mathematical Statistics)
Harraway, Thomas Colin Jude (Economics)
Hattingh, Chané (Actuarial Science)(*cum laude*)
Hendriks, Cameron Luke (Actuarial Science)
Henning, Nikola (Logistics Management)(*cum laude*)
Heyneke, Anton Lafrass (Financial Risk Management)
Heyns, Grethe (Business Management: Marketing Management)(*cum laude*)
Heywood, Olivia Georgina (Statistics)(*cum laude*)
Hoare, Nicholas Scott (Business Management: Strategy and Innovation)
Hoffman, Kylie Dore (Industrial Psychology)
Hoffman, Mieke (Management Accounting)
Hoogwerf, Neal Rory (Economics)
Hough, Gustav Dewald (Management Accounting)
Ives, Jeremy Geoffrey (Logistics Management)
Jacobs, Etienne Frederik (Financial Risk Management)
Janse van Vuuren, Stefan (Financial Analysis)
Jansen van Rensburg, Celine (Operations Research)
Joao Luiz, Nicole (Management Accounting)
Johnson, Robyn (Industrial Psychology)(*cum laude*)
Jokomo, Nyasha Thabo (Business Management: Strategy and Innovation)
Kaps, Kesley Markus (Actuarial Science)
Kennedy, Shannon Aline (Business Management: Strategy and Innovation)
Khumalo, Tsepang Juliet (Economics)
King, Matt (Financial Analysis)
Koch, Mia (Industrial Psychology)
Koen, Tineke (Management Accounting)
Kolobe, Mangaka (Financial Risk Management)
Kotze, Ulrich (Statistics)
Kriegisch, Dyllan Andreas (Financial Risk Management)
Kriel, Rudi Deon (Transport Economics)
Laas, Michelle (Transport Economics)
Laubscher, Karla (Mathematical Statistics)
Lawrance, Nadia (Management Accounting)
Lefeta, Tankiso Abiel (Economics)
Leslie, Jaime (Economics)
Liebenberg, Annemien (Logistics Management)(*cum laude*)
Liedeman, Nicole (Management Accounting)
Linde, Christin (Industrial Psychology)(*cum laude*)
Loock, Lara-Mari (Actuarial Science)
Louvét, Denise Abigail (Business Management: Marketing Management)
Louw, Frederik Antonie (Management Accounting)
Louwfant, Reabetswe Sechaba (Economics)
Luiters, Arline (Management Accounting)
Luyt, Bridgette (Business Management: Financial Management)
Maarman, Jenilee Ashlene Lesley-Ann (Business Management: Strategy and Innovation)
Maclachlan, Kelly-Anne (Business Management: Marketing Management)
Maimela, Mmamogobo Otshepeng (Transport Economics)
Mashuna, Getrud Namtenya Nandie (Industrial Psychology)
Matter, Dean (Operations Research)(*cum laude*)
May, Stefan (Industrial Psychology)
Mc Donald, Murray George (Logistics Management)
Mc Gregor, Justine (Business Management: Marketing Management)
McCaul, Liane Megan (Business Management: Strategy and Innovation)
McKinley, Amy (Industrial Psychology)
McLaughlin, Liam (Economics)
Mgolodela, Siviwe (Business Management: Strategy and Innovation)
Minnaar, Stefan Louis (Management Accounting)
Mnyulwa, Thamusanqa David Pike (Statistics)
Momborg, Jan Hendrik (Management Accounting)
Mostert, Cathleen Henriette (Business Management: Marketing Management)
Mulder, Amy Louise Vuren (Transport Economics)
Muller, Stephen James Henry (Financial Analysis)
Muller, Wessel Hendrik (Actuarial Science)
Myburgh, Carna (Business Management)
Naude, Aletta Catherina (Logistics Management)
Ncube, Cebisa Busisiwe (Economics)
Neethling, Johannes Sarel (Management Accounting)
Nel, Liam William Louis (Actuarial Science)
Nel, Luke (Actuarial Science)(*cum laude*)
Newman, Megan Suenette (Management Accounting)
Ngiba, Mandebe (Financial Risk Management)
Nundlall, Suveer (Actuarial Science)
Nunn, Aidan John (Statistics)
O'Donoghue, James Riley (Economics)
Oosthuizen, Boyd (Actuarial Science)
Overton, Christian Henry (Financial Analysis)
Parkins, Luthando (Logistics Management)
Passerini, Alyssa (Operations Research)
Paterson, Frances Tessa (Economics)
Pendock, Bryce (Industrial Psychology)
Peters, Bianca Caren (Actuarial Science)
Petersen, Kauthar (Management Accounting)
Pieters, Francois William Joseph (Transport Economics)
Piggott, Rachel Emma (Economics)(*cum laude*)
Pretorius, Juan-Jacques (Actuarial Science)
Prins, Nina Maria (Actuarial Science)
Prinsloo, Clarize (Management Accounting)
Raasch, Cade (Business Management: Strategy and Innovation)
Rabe, Edmund Christopher (Management Accounting)
Ramokadi, Maserati Matshidiso (Logistics Management)
Ramos, Matthew (Industrial Psychology)
Randell, Charles Malcolm (Economics)
Redelinghuys, Arend Johan Frederick (Management Accounting)
Retief, Hendrik Johannes (Financial Analysis)
Reynolds, Kelli (Business Management: Strategy and Innovation)
Rogotta, Mieke (Business Management: Marketing Management)
Röscher, Nerine Selma (Business Management: Financial Management)
Rose, Courtney (Industrial Psychology)
Roseveare, Shannon (Financial Risk Management)
Rouillard, Bruce James (Economics)
Rousseau, Sabrina (Industrial Psychology)
Roux, Liesel (Business Management: Financial Management)
Ruppert, Sven Karl (Logistics Management)
Rust, Ivo Christian (Economics)
Sacco, Cay-Linn Hope (Management Accounting)
Schnider, Diyan John (Logistics Management)
Schoeman, Werner (Logistics Management)(*cum laude*)
Schoonwinkel, Louis Johannes (Actuarial Science)
Schreuder, Louis Stefanus (Management Accounting)
Serafino, Robin Michael (Logistics Management)
Sharp, Kim (Quantitative Management)
Shiel, Tyler Jane (Business Management: Financial Management)(*cum laude*)
Shipena, Elly Eeno (Financial Analysis)
Sithole, Ayabonga Nolwazi (Management Accounting)(*cum laude*)
Slabber, Alet (Industrial Psychology)(*cum laude*)
Smit, Andreas Martinus (Actuarial Science)
Smit, Petrus Johannes (Management Accounting)
Smit, Shayna (Financial Risk Management)
Smith, Sophia (Industrial Psychology)(*cum laude*)
Soon, Yehjin (Industrial Psychology)
Stals, Bernard (Actuarial Science)

Starke, Nicola (Business Management: Financial Management)
 Steere, Emma Helene (Quantitative Management)
 Steere, Michael Andrew (Financial Analysis)
 Stevens, Dylan Nicholas (Logistics Management)
 Stols, Janine Leonie (Actuarial Science)
 Süllwald, Jeanré (Business Management: Marketing Management)
 Swanepoel, Alicia (Industrial Psychology)(*cum laude*)
 Swanepoel, Carien (Actuarial Science)
 Swanepoel, Cleo Andrea (Management Accounting)
 Swanepoel, Lara (Management Accounting)
 Swinger, James Stewart (Statistics)
 Taylor, Nicola (Statistics)
 Terblanche, Hendrik Daniel (Business Management: Financial Management)(*cum laude*)
 Theron, Liza (Industrial Psychology)(*cum laude*)
 Tomicic, Marica (Business Management: Marketing Management)
 Troester, Zachary Alexander (Actuarial Science)
 Tweekye, Paul Twesigye (Economics)
 Ungersböck, Marcus Oskar (Business Management: Financial Management)
 Van den Berg, Tristan (Financial Analysis)
 Van den Heever, Johannes Lodewicus (Actuarial Science)
 Van der Horst, Megan (Industrial Psychology)(*cum laude*)
 Van der Merwe, Carmen Louise (Economics)
 Van der Merwe, Chante (Logistics Management)
 Van der Merwe, Juliana (Industrial Psychology)
 Van der Westhuizen, Dewald Cornelius (Business Management: Marketing Management)
 Van Dyk, Sumari (Industrial Psychology)
 Van Heusden, Matthew Shane (Business Management: Financial Management)
 Van Rensburg, Nora (Management Accounting)
 Van Rensburg, Sean (Business Management: Financial Management)
 Van Rooyen, Klara (Business Management: Financial Management)
 Van Zyl, Anais (Management Accounting)
 Van Zyl, Dirk Cornelius (Statistics)
 Van Zyl, Louis Johannes (Logistics Management)
 Van Zyl, Willem Petrus (Statistics)
 Vellema, Danielle (Actuarial Science)
 Velleman, Bradley Kyle (Logistics Management)
 Venter, Simon (Financial Risk Management)
 Viljoen, Luré (Quantitative Management)
 Visagie, Viljoen (Management Accounting)
 Voigt, Frederik Johannes (Business Management: Marketing Management)
 Von Gossler, Ingo (Statistics)
 West, Anneke (Management Accounting)
 Weyers, Hubert Mulder (Financial Analysis)
 Whitehead, Timothy Ramsay (Quantitative Management)(*cum laude*)
 Williams, Ashleigh (Management Accounting)(*cum laude*)
 Wood, Oliver Derek (Logistics Management)
 Wright, Sarah-Jane (Management Accounting)
 Zoghby, Chérie (Management Accounting)

Honneurs-Baccalaureus in die Handelswetenskappe in Informasiestelselbestuur

Bachelor of Commerce Honours in Information System Management

Bates, Darren Matthew
 Carlisle, Nicholas Brian
 Cawood, Alexander Nicholas (*cum laude*)
 Chitiyo, Zvikomborero
 Daly, Lucia (*cum laude*)
 De Abreu, Adrian Darren
 De Bruyn, Clarice (*cum laude*)

De Lange, Heinrich Hugo
 Dow, Catherine Margaret
 Hodgson, Malcolm Boyd
 Hyman, Louis George Reynolds
 Ledingwane, Maphiri Khahliso
 Mauff, Daven Sebastian
 O'Flaherty, Christopher James
 Powell, Alexander Steven (*cum laude*)
 Sinandile, Qhama
 Theron, Murette
 Theron, Pieter Paul Adriaan
 Van Rensburg, Christiaan (*cum laude*)
 Van Wyk, Chad
 Veness, Keagan Mark
 Yon, Courtney Terence

Baccalaureus in die Handelswetenskappe Bachelor of Commerce

Ackerman, Joshua Marcus
 Agnew, Kirsten Helen
 Albertyn, Anjé (*cum laude*)
 Anderson, Belinda Jane
 Annandale, John Matthew
 Badenhorst, Hendrien
 Bain, Enya
 Baltazar, Tiago
 Barclay, Lloyd Jean-Baptiste
 Barendse, Godwin Landor
 Barlow, Caroline
 Barnard, Marieta
 Barr, Nicole
 Bates, Lauren
 Becerra, Sebastian Anthony
 Benadie, Brigeet Kayla
 Bentley, Matthew Mitchell
 Beresford, Paul Roger
 Berry, Kellan John
 Bestbier, Nicola
 Bester, Marié
 Bester, Philippus Lourens Bouwer
 Beyers, Karli
 Bezuidenhout, Gerrit Wouter
 Bezuidenhout, Jean-Pierre
 Biebuyck, Caryn (*cum laude*)
 Bing, Olivia Sarah
 Blaauw, Diane
 Blake, Megan
 Blew, Holly Marianne
 Bollmann, Justine Emma
 Booth, Matthew John
 Booyens, Michele
 Borgström, Simone Jayne
 Bosman, Miles Martin
 Botha, Leana Maria
 Botha, Nicole Marie
 Bothma, Jacobus Nicolaas
 Bothma, Schalk Willem
 Bourdin, Siân Margot
 Brand, Albertus Jacobus
 Brandkamp, Kai Alexander
 Breed, Saskia Nicola
 Breytenbach, Bianca Beverley (*cum laude*)
 Breytenbach, Caro
 Britz, Natalie
 Brouwer, Dane Kean

Buckle, Kyra Leigh
 Burger, Dewald
 Burger, Jacobus Stephanus Saul
 Burger, Liebe
 Burgstahler, Micah
 Cameron, Tyron Luke (*cum laude*)
 Carelse, Kiarra Leigh
 Carstensen, Melissa
 Cawood, Josh Allen
 Ceylon, Anjelica
 Chait, Jordan David
 Chaszczewski, Kiara
 Chen, Pinquan
 Claassen, Ami
 Claassen, Daniel (*cum laude*)
 Cloete, Andrea Velda
 Coetzee, Jenna
 Coetzee, Kelly-Ann
 Coetzee, Ruben
 Coetzee, Zandre Michelle
 Collins, Eric
 Collins, Kirsten Lee
 Conacher, James Roderick
 Conradie, Tamarin-Anne Jade
 Cox, Ashtyn Courtney (*cum laude*)
 Crowe, Benjamin Thomas Jasper
 Cunningham, Megan Joanna
 Darroch, Michael James
 Davies, Isabelle Anna-Louisa
 De Necker, Janneke (*cum laude*)
 De Villiers, Johan Christiaan
 De Villiers, Keagan
 De Vos, Tyran Jaryd
 De Wet, Ciska
 De Wet, Jessica Pauline
 Debideen, Sejal
 Delmar, Andrew
 Den Hartog, David Francois
 Dennis, Kirsten (*cum laude*)
 Dennis, Lara (*cum laude*)
 Dobie, Jordan Grant
 Downing, Lauren Louise
 Dreyer, Irené
 Dreyer, Talita Cumi
 Du Plessis, Alten
 Du Plessis, Anya Linda (*cum laude*)
 Du Plessis, Sari Louise
 Du Preez, Armand
 Du Toit, Ale
 Du Toit, Annette
 Du Toit, Christiaan Gorge
 Du Toit, Elizabeth Alexandra
 Du Toit, Kyle
 Du Toit, Leandri
 Du Toit, Luke
 Duke, Richard Julian
 Duthie, Rebecca Kate
 Duvenage, Nadia Elizabeth
 Dvorak, Emily Maxine
 Edwards, Donovan Hilton
 Ehlers, Monique
 Eksteen, Lerine
 Elmes, Kristen Leigh
 Endenburg, Kyla Jo
 Engelbrecht, Anjé

Engelbrecht, Danielle
 Engelbrecht, Ingé
 Engelbrecht, Louren Sharn
 Erasmus, Nadia Ainslie
 Erlank, Barend Johannes
 Essl, Dannika
 Esterhuizen, Ansonette
 Evans, Kelly Laura
 Evans, Ryan Nicholas Edward
 Eybers, Johannes Stephanus
 Fabricius, Chane
 Ferreira, Johan Jacob
 Ferreira, Kristian Tre
 Flanagan, Jemma Nicole
 Forssman, Erin Paige
 Fourie, Ané
 Fourie, Shamé
 Fox, Sarah Hooton
 Franken, Candice
 Frey, Elizza
 Friend, Richard Daniel
 Fyvie, Katelyn Megan
 Gaobuse, Ogalaletseng Mereciious
 Gardener, Wesley Scott
 Garmany, Carly Jemma
 Gerber, Ewan-Nize (*cum laude*)
 Gericke, Johald Christiaan
 Germishuys, Nicola
 Giesemann, Natascha
 Gololo, Ramatsimele
 Gous, Mieke Elizabeth
 Gouws, Curwan Willré
 Greaves, Tazzlyn Jade
 Greeff, Nicole
 Green, Kelly-Rain
 Grinyer, Jessica Mary
 Grobler, Juliandri
 Grobler, Mia
 Groenewald, Megan Nicole
 Groenewald, Paiton Brittney
 Groenewald, Sonja Estelle
 Grundling, Janke Georgina
 Haantjes, Jordan Rudi
 Haldane, Heather-Lynn
 Hanekom, Willem Tobias
 Hans, Miche Jaydene
 Hansmeyer, Joss Henry
 Harris, Robert Guy
 Harrop, Ryan Christopher
 Harvett, Kyle Charl
 Hattingh, Christiaan Arnoldus
 Herman, Charlize
 Hewson, Cameron Dean
 Heycocks, Connor Lee
 Hoffman, Elsa-Mari
 Höll, Lané (*cum laude*)
 Hollis, Daniel
 Holloway, Jacques George
 Honicke, Megan
 Hugo, Alexander Albert
 Hunter, Chelséa
 Husselmann, Brigitta
 Ingle, Cheryl Theresa
 Isaacs, Tenielle
 Jacobs, Phillip Gordon

Jankovich-Besan, Timothy Hugh
 Janson, Franco
 Jantjies, Mandy
 Jarvie, Donna Stanford
 Jefthas, Amy Marion
 Jennings, Sarah Claire
 Jonker, Megan Hazel (*cum laude*)
 Jordaan, Joleen
 Joubert, Carike
 Joubert, Hanu Charl
 Joubert, Wian Chris
 Joyner, Allan
 Jubelin, Reywan Jason
 Kamasopoulos, Paula
 Kasselman, Ane
 Kassner, Tyron
 Kellerman, Wouter Theron
 Kerr, Sabrina
 Keyser, Kina
 Khumalo, Vukani Emmael
 King, Jeremy Alan
 Klaasen, Tia Leigh
 Kleynhans, Chané
 Klomp, Francois Jan Henri
 Kolisi, Asive
 König, Natasha
 Kootbodien, Raeesa
 Korf, Ariane Helene (*cum laude*)
 Köstens, Gilda
 Kotzé, Anika
 Kotze, Mikal
 Kruger, Barend Marthinus
 Kruger, Martina
 Kruger, Roan
 Labuschagne, Hugh-Jean Kathleen
 Lakey, Lauryn Jade
 Lakey, Tyler Reece
 Langenhoven, Ninke
 Lawrie, Ninke
 Le Roux, Barend Frederik
 Le Roux, Nicole
 Le Roux, Stefan
 Le Sar, Tovaye Ambergeygh Qadinn-Skye
 Lema, Twaha Yassin
 Leppan, Timothy Dudley
 Lewame, Ryan Trevor
 Liedtke, Alexandra
 Lloyd, Lynne-Leigh
 Locke, Robyn
 Loggenberg, Julian Sandro
 Lombard, Telisa Mari
 Lomborg, Courtney Storm
 Loubser, Emke
 Machiana, Keyla Stefania Manuel
 Macleod, Aidan James
 Maclobo, Gaironeeza Azailia Ashlin
 Macrobert, Alexandra Elizabeth
 Madike, Mosibudi Ntokozo Chante
 Magerman, Luke Aiden
 Manisunker, Shekar
 Marais, Anja
 Marcus, Devan Jack
 Marshall, Luciano Mark
 Martin, Amy Caitlin
 Marwanqa, Xolela Anela

Marx, Danielle
 Mason, Kai Sebastian
 Mathiba, Mogau
 Mathomes, Ashlyn Toni
 Matthee, Pieter Lombard
 Matthews, Roxanne
 McLeod, Jabudean Courghtney
 Meadon, Kyle Christopher (*cum laude*)
 Meeser, Rebecca Clare
 Melville, Walter Olwyn
 Meyer, Elda Helena
 Meyer, Etienne Christian
 Meyer, Georg Johannes
 Meyer, George Claude
 Miller, James Bradley
 Missio, Enzo Enrico
 Mkhathswa, Phindile
 Mkhize, Nhlakanipho Siyanda
 Moehrke, Patrick Gary
 Moffett, Rachel
 Molenaar, Rebecca Rae
 Moller, Jaco
 Moolman, Niel Wynand
 Moolman, Sabrina
 Moran, Robyn Nicole
 Mpe, Phomolo Mashienyane
 Mtoba, Kwezi Kwalo
 Muir, Kendal
 Muller, Colleen
 Munnik, Lauren Ann
 Mwelase, Zanele
 Myburgh, Hannah Paige
 Mzondo, Aviwe
 Narasimulu, Jadasia
 Ndoroh, Tinotenda
 Neethling, Jané
 Neethling, Johannes Henoch
 Nel, Francois
 Nel, Gabriel James
 Nel, Jonathan Jacques
 Nel, Nina
 Nell, Déan David
 Ngwenya, Nokukhanya Sibusisiwe
 Nicholaas, Alexis
 Nieuwenhuizen, Jana
 North, Claudia Cordes
 Nortier, Willem Hendrik
 Nyakoty, Tinashe Eugene
 O'Reilly, Callum Shane
 Olivier, Brendon
 Oosthuizen, Ryan
 Oosthuysen, Anja
 Page, Jason James
 Palme, Roland Leif
 Papadimos, Alexander Spiro
 Parvess, Justin
 Paul, James
 Paul, Michael John Leith
 Pedlar, Victoria Alexis
 Pengelly, Cassandra Dulcie (*cum laude*)
 Perrott, Matthew
 Petersen, Taryn Leigh
 Phillips, Shannon Caitlin
 Pieterse, Anine
 Plaatjies, Jessé

Porter, Jamie Mary
 Potgieter, Jacques Salmon
 Potgieter, Leonardo
 Pretorius, Johannes Lodewicus
 Pretorius, Lukas Petrus
 Pretorius, Micaela
 Pretorius, Ruan
 Proudfoot, Jordan Sam
 Qayiso, Siyanda Trevor
 Rall, Liam
 Ramaisa, Mokgeseng
 Ratsethana, Vhuthali
 Rattray, Chrissie Danielle
 Raubenheimer, Grace Elizabeth
 Rayner, Benjamin Mark (*cum laude*)
 Richardson, Sean Geoffrey
 Roberts, Bradley Philip Bruce
 Rode, Bruno Paul
 Roetz, Emja
 Rossouw, Jacoba Johanna
 Rossouw, Zander Juan
 Roubach, Liam Jerome
 Roux, Johann Otto
 Rust, Haydn Bryan
 Saayman, Roman Dudley Moses
 Sadan, Shaakirah
 Sarjoo, Amy Monica
 Sati, Sonwabile
 Scarles, Tyla Jordan
 Schoeman, Andre
 Scholtz, Kelly
 Scholtz, Michael John
 Scholtz, Mischka Magaretha
 Scholtz, Zahn Susannah Petronella
 Schreiber, Lo-Rika
 Schreiber, Reuben
 Scott, Kelsey Leigh
 Sendzul, Samuel Benn (*cum laude*)
 Senekal, Zandeli
 Senior, Christopher Rawson
 Serdyn, Ester Sophia
 Shamley, Laura
 Sharp, Marco Moyes
 Shepherd, Cameron Beaumont
 Sherratt, Christopher Martyn
 Shokkos, Demi
 Siedle, Matthew David
 Simmonds, Kyle Ian
 Slamang, Sha-Abaan
 Smal, Willem Adriaan
 Smit, Conrad Frederick
 Smit, Cornel
 Smit, Elsjene
 Smit, Lyn-Marié
 Smit, Megan Nicola
 Smit, Ross
 Smit, Suzette
 Smit, Tian
 Smit, Victoria
 Smith, Jeanice Courtney Marlene
 Solomon, Tristin
 Staples, Sharon Lineo
 Steenberg, Natasja
 Steenkamp, Lukas Petrus
 Steenkamp, Suné

Stemmet, Izel
 Stemmet, Nelani
 Stephan, Petrus Lourens
 Sterley, Zack Baden
 Stevens, Denereze Kelly
 Steyn, Michael Reuven (*cum laude*)
 Steyn, Sebastian Pierre
 Stofberg, Suzanne (*cum laude*)
 Stolk, Jamie Naomi (*cum laude*)
 Stroberg, Ryan Richard
 Sutherland, John
 Swanepoel, Jacques
 Swanepoel, Sebastiaan
 Swart, Andrea
 Swart, Jana
 Swart, Maret
 Swindon, Melissa
 Syfert, Stefan Williers
 Tadi, Keabetswe
 Tarr, Sally (*cum laude*)
 Taverner, Lloyd Ivor
 Thackwray, Rhett Sheldon
 Theron, Bianca (*cum laude*)
 Thompson, Nicole Lee
 Thomson, Monique Isabel
 Thorndike, Amber
 Tilley, Benjamin Mpho
 Trollip, Jason Stephen
 Turner, Lloyd Hamilton
 Uren, Lloyd Craig
 Valentine, Matthew
 Van Aardt, Ansa
 Van Burick, Johannes Lodewiekus
 Van Coller, Lana
 Van den Heever, Christiaan Mauritz
 Van den Heever, Clarisa
 Van der Berg, Jessica
 Van der Byl, Shawn Mary Kristen
 Van der Horst, Anouk Mila
 Van der Linde, Claudia
 Van der Merwe, Anè
 Van der Merwe, Hanno
 Van der Merwe, Jana
 Van der Merwe, Jp Leidig
 Van der Vyver, Cara
 Van der Vyver, Johan Louis
 Van der Walt, Janke Corné
 Van der Walt, Marthinus Jacobus
 Van der Walt, Nicholas
 Van Dyk, Adél
 Van Dyk, Herman Snyman
 Van Eck, Dominic
 Van Eck, Emil
 Van Graan, Suzanne
 Van Kamp, Calvin
 Van Lille, Marli
 Van Niekerk, Magrietha Magdalena
 Van Papendorp, Christel Louise
 Van Romburgh, Leigh
 Van Rooyen, Emma (*cum laude*)
 Van Rooyen, Nicole
 Van Tonder, Monique (*cum laude*)
 Van Wyk, Jeandre
 Van Wyk, Wiaan
 Van Zyl, Claire Rosamund

Van Zyl, Kyla Benita
Van Zyl, Lukas Abraham Wentzel
Venter, Kalyn
Vergottini, Danielle
Verkoper, Xenia Kristen
Vermaak, Jacques
Vetten, Karla
Victor, Lu-Wayne Eduard
Viljoen, Gabriela
Viljoen, Kelsey Andrea
Viljoen, Liza
Visser, Dawid Frederik
Von Dewitz, Gian
Vorster, Marette
Vorster, Wynand
Walker, Tarryn Emma
Wasserfall, Hugo Johannes
Watson, Emma Rebeka (*cum laude*)
Wertheim, Cheylin Nicole
Wessels, Renier Conré
Whitehouse, Michael James
Wilkinson, Rachel Eileen
Will, Kyna Maree (*cum laude*)
Willenberg, Kamilah
Williams, Jonathan Charles
Wilmot, Matthew Barry
Winterbach, Mieke Ann
York, Luke Charles
Young, Kesley Carrington
Zilesnick, Jake

Baccalaureus in die Handelswetenskappe in Internasionale Besigheid

Bachelor of Commerce in International Business

Adelhelm, Meshaan (*cum laude*)
Brink, Jeanne (*cum laude*)
Chabanel, Ymsa (*cum laude*)
Diekmann, Daniela Nicole
Du Preez, Elizabeth (*cum laude*)
Farrell, Olivia April (*cum laude*)
Faul, Anika
Haines, Alexandra Claire
Hall, Willem Frederick
Kruger, Danielle Cummings
Marais, Jacobus Francois Erasmus
Marais, Stephanus Francois
Moon, Amber Alice
Parsons, Kayla
Roberts, Hannah
Smalberger, Bianca
Uys, Irmilee
Van Achterbergh, Elzé
Van Der Vyver, Leon George
Van Zyl, Karo (*cum laude*)

Baccalaureus in die Ekonomiese Wetenskappe

Bachelor of Economic Sciences

Cloete, Jenny

KANSELIERSTOEKENNING | CHANCELLOR'S AWARD

Fakulteit Ekonomiese en Bestuurswetenskappe *Faculty of Economic and Management Sciences*

ANDRIE SCHOOMBEE

Die Departement Ekonomie vier volgende jaar sy eeufees. Vir die afgelope 20 van daardie 100 jaar was prof GA (Andrie) Schoombree die Departementshoof. Gedurende hierdie lang periode het hy die Departement op 'n unieke en professionele manier gelei wat wyd deur personeel en kollegas waardeer word. Sy leierskap het die Departement in staat gestel om steeds 'n prominente rol in navorsing, onderrig en gemeenskapsdiens te speel. Onder sy leierskap het die rasse- en geslagsamestelling van die Departement ingrypend verander, onderwyl hoë gehalte behou is. Hy lei 'n span wat gelukkig is in hulle werk en wat weet hul inspanning word waardeer.

The Department of Economics will celebrate its centenary next year. For the past 20 of those 100 years, Prof GA (Andrie) Schoombree has been the head of this Department. During this long period he managed the Department in a unique and professional manner that is widely admired by staff and colleagues. His leadership enabled the Department to continue to play a prominent role in research, teaching and community service. Under his leadership, the race and gender composition of the Department was greatly transformed, while high quality was maintained. He leads a team of staff members who are happy in their work and who feel appreciated for their efforts.



3

10 Desember | 10 December

10:00

Fakulteit

Geneeskunde en Gesondheidswetenskappe

(Alle programme uitsluitend nagraadse diplomas)

Faculty

Medicine and Health Sciences

(All programmes excluding postgraduate diplomas)

3

PROGRAM

- | | |
|------------------------|---|
| <i>Staan asseblief</i> | 1. Akademiese prosessie kom die saal binne. |
| <i>Staan asseblief</i> | 2. Sing van die Nasionale Lied (sien binnekant van die agterblad). |
| <i>Sit asseblief</i> | 3. Konstituering deur die Visekanselier. |
| | 4. Verwelkoming deur die Visekanselier. |
| | 5. Verwelkoming in Xhosa. |
| | 6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier. |
| | 7. Voorstelling van kandidaat vir die Kanselierstoekenning en oorhandiging van die toekenning deur die Visekanselier. |
| | 8. Sluiting deur die Visekanselier. |
| <i>Staan asseblief</i> | 9. Akademiese prosessie verlaat die verhoog. |

PROGRAMME

- | | |
|---------------------|--|
| <i>Please stand</i> | 1. Entrance of academic procession into the hall. |
| <i>Please stand</i> | 2. Singing of the National Anthem (see inside back cover). |
| <i>Please sit</i> | 3. Congregation formally constituted by the Vice-Chancellor. |
| | 4. Welcome by the Vice-Chancellor. |
| | 5. Welcome in Xhosa. |
| | 6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor. |
| | 7. Introduction of the candidate for the Chancellor's Award and presentation of the award by the Vice-Chancellor. |
| | 8. Closing by the Vice-Chancellor. |
| <i>Please stand</i> | 9. The academic procession leaves the stage. |

Fakulteit Geneeskunde en Gesondheidswetenskappe *Faculty of Medicine and Health Sciences*

Doktor in die Wysbegeerte **Doctor of Philosophy**

ADAMU, Abdu Abdullahi (Epidemiology)

Using a quality improvement approach to address missed opportunities for vaccination in Kano Metropolis, Nigeria

Childhood vaccination is a powerful and cost-effective public health intervention to improve child survival. This study used a combination of epidemiological and implementation science methods to determine the burden of missed opportunities for childhood vaccination in Nigeria (the country with the highest number of unvaccinated children in the world) and evaluate the impact of quality improvement on reducing this burden. The study revealed that missed opportunities for vaccination represent a common, complex and context-specific health system problem and, importantly, that frontline healthcare workers are capable of co-designing and implementing change ideas to address the problem.

Supervisor: Prof CS Wiysonge

Co-supervisors: Profs M Gadanya (external); OA Uthman (external)

BERNITZ, Netanya (Molecular Biology)

Novel approaches to the diagnosis of Mycobacterium bovis infection in African buffaloes (Syncerus caffer)

Bovine tuberculosis (TB), caused by *Mycobacterium bovis*, is a deadly disease of animals and can cause TB in humans. This study investigated novel approaches to improving the detection of infected African buffaloes. A new commercial assay measuring interferon gamma (IFN- γ) release in a whole blood sample was validated and shown to be highly specific. Moreover, measurement of an alternative biomarker, IFN- γ inducible protein-10 (IP-10), increased the sensitivity of the assay. Notably, when both cytokines were measured in parallel, test sensitivity was maximised. The magnitude of IFN- γ and IP-10 release was shown to reflect the occurrence of macroscopic TB pathology in infected animals.

Supervisor: Prof M Miller

Co-supervisors: Prof S Parsons; Dr N du Plessis

BOSO, Christian Makafui (Nursing Science)

Development of a curriculum framework to facilitate critical thinking skills of undergraduate students in developing countries: A multimethod study of a Ghanaian nursing educational institution

The importance of critical thinking skills is well documented, but not necessarily pursued in the classroom. This study found that although students held a positive disposition toward critical thinking, the environment and relationship between learners and educators did not foster such. A framework to facilitate the critical thinking of undergraduate nursing students in the Ghanaian context was cooperatively developed using action research. The importance of an authentic student-facilitator partnership and student freedom to question was specifically emphasised in lieu of disconcerting power relationships. Examiners appreciated the contribution to knowledge in the undergraduate nursing programme context and the methodological innovation and versatility.

Supervisor: Prof AS van der Merwe

Co-supervisor: Prof J Gross (external)

CHINHENGO, Angela (Radiobiology)

Evaluation of the effect of radiofrequency electromagnetic waves on radiosensitivity

The development of new approaches for treating superficial cancers requires the identification of agents that would render cancer cells more vulnerable to the effects of ionising radiation. In this study, radiofrequency fields were evaluated for their radiomodulatory effects in human prostate and skin cancer cells. The fields were found to be more efficient in radiosensitising cells at large fractional doses of X-rays and could find application in hypofractionated radiotherapy as adjuvants. This may have a positive impact on the management of patients with superficial tumours that may be resistant to low fractional doses of radiation.

Supervisor: Prof JM Akudugu

Co-supervisor: Dr AM Serafin

HAMID, Mogammad Baagith (Radiobiology)

Novel treatment strategies for breast, lung and cervical cancer

The development of new approaches for treating cancer requires the identification of pro-survival signalling pathways, the perturbation of which would render cancer cells more vulnerable to the effects of radiation. In this study, small molecule inhibitors of epidermal growth factor receptor (EGFR), phosphoinositide 3-kinase (PI3K), mammalian target of rapamycin (mTOR) and pro-survival gene (Bcl-2) were evaluated for their radiomodulatory effects in human cancer cells. It was demonstrated that concurrent use of inhibitors, singly or as cocktails, with radiotherapy might improve the treatment response of breast and lung cancer, but not cervical cancer.

Supervisor: Prof JM Akudugu

Co-supervisor: Dr AM Serafin

HOLNESS, Jennifer Lyn (Nuclear Medicine)

Glomerular filtration rate measurement and estimation: Improvement and validation of existing methods

This extensive body of work enhances existing knowledge of glomerular filtration rate (GFR) measurement by determining novel reference ranges for quality control parameters and confirming the similarity of GFR measurement using Cr-51 EDTA and Tc-99m DTPA. A subsequent rigorous simulation study quantified the impact of measurement errors on the resultant GFR. The study utilised GFR measurements to validate clinically frequently used international GFR estimation equations in South African patients. These equations were found to be appropriate for adult nephrology patients, but were unsuitable for children and adults with cancer, for whom local adaptations are proposed.

Supervisor: Prof J Warwick

IWU, Chinwe Juliana (Public Health)

The adherence to effective vaccine stock management protocols in the government facilities, the availability of vaccines and the effectiveness of the stock visibility system in OR Tambo District of the Eastern Cape province of South Africa

The continuous availability of vaccines at service delivery points is a vital component of the health system, which is required to achieve optimal immunisation coverage as part of universal health coverage. This study used a combination of epidemiological, biostatistical and qualitative research methods to assess vaccine stock management and vaccine availability in the OR Tambo District of the Eastern Cape province of South Africa. The study revealed that poor vaccine stock management is common at district and health facility levels, leading to frequent vaccine stock-outs, and demonstrated the potential of digital interventions for reducing stock-outs and ensuring vaccine availability at service delivery points.

Supervisor: Prof CS Wiysonge

Co-supervisor: Prof UME Chikte

JACOBS, Shaundré Dwaylynn (Sport Science)

A configurational evaluation of elite sport policy in South Africa: A realist perspective

This study identified factors that inhibit and facilitate the implementation of elite sport policies in South Africa through a configurational analysis. Qualitative and quantitative methods were applied to involve athletes, coaches, administrators, expert sport management academics and governmental officials. The results showed that the organisation of sport in the country should be streamlined, the nation-specific context influences the elite sport system, barriers regarding the interorganisational relationships between governmental partners exist and the multidimensional aspects of the sports academy system in the Western Cape are ineffective. This study provides empirical evidence for elite sport policymakers to consider in South Africa as emerging country.

Supervisors: Profs RE Venter (SU); V de Bosscher (VUB)

Co-supervisor: Prof J Scheerder (external)

KATUSIIME, Mary Grace Kato (Medical Virology)

Characterisation of the persisting HIV-1 reservoir in early treated children on long-term suppressive ARV regimens

Antiretroviral treatment (ART) saves lives and reduces morbidity. However, HIV rebounds in blood soon after treatment is stopped. Paediatric HIV cures would obviate the need for lifelong ART for children, but rely on knowledge of mechanisms of persistence of HIV. This study investigated HIV persistence in long-term-treated children. Using single-genome sequencing, it shows that in children with suppressed HIV viral loads, HIV persists not by ongoing replication, but by clonal proliferation of infected cells and that rare genetically intact proviruses can be detected six to nine years after delayed treatment initiation.

Supervisor: Prof GU van Zyl

Co-supervisors: Profs S Engelbrecht (internal); JW Mellors (external)

KING, Paul Reginald (Orthopaedic Surgery)

The management of clavicle shaft fractures: Evaluating the ability of a novel locked intramedullary device to achieve union and restore function of the shoulder

The aim of this study was to determine whether a novel intramedullary nail, which is used to treat displaced and shortened clavicle shaft fractures, can restore the anatomy and functional capacity of the shoulder. The findings of the study show that the novel intramedullary nail is at least as effective as an anatomical contour plate (golden standard), while Cohen effect sizes suggest that intramedullary nailing might be more effective. In addition, a more uniform response in the functional outcomes was seen in the group that was treated with the intramedullary nail.

Supervisor: Prof RP Lamberts

KREDO, Tamara (Public Health)

The South African Guidelines Excellence Project: An exploratory study of primary care clinical practice guideline development, implementation and use

Employing appropriate qualitative methodology, this study developed and executed an in-depth exploration of the role players, processes, barriers to and enablers of primary care guideline development and implementation in South Africa. The study took place against the backdrop of government's declared intention to implement a National Health Insurance scheme. Taking advantage of this window of opportunity, the study identified key actions that would enhance the use of primary care guidelines nationally and in similar low- or middle-income settings. These actions include improved coordination of guideline activities, collaboration between and within guideline groups and enhanced training and support for healthcare providers in primary care.

Supervisor: Prof J Volmink

Co-supervisor: Prof S Atkins (external)

MALEKA, Sechaba (Radiobiology)***Radiosensitisation of androgen-dependent and independent tumour cells as a therapeutic strategy in prostate cancer***

The development of new approaches for treating prostate cancer requires the identification of pro-survival signalling pathways, the perturbation of which would render cancer cells more vulnerable to the effects of radiation. In this study, small molecule inhibitors of epidermal growth factor receptor (EGFR), phosphoinositide 3-kinase (PI3K), mammalian target of rapamycin (mTOR) and androgen receptor (AR) were evaluated for their radiomodulatory effects in human prostate cancer cells. Very strong synergy was demonstrated between inhibitors, and inhibitor cocktails containing the PI3K/mTOR inhibitor showed potential of being developed further for multimodality prostate cancer treatment when used in combination with radiotherapy.

Supervisor: Prof JM Akudugu

Co-supervisor: Dr AM Serafin

MANIRAFASHA, Claudine (Medical Physiology)***The effects of a green rooibos extract on the reproductive function of obesity-induced insulin-resistant or hypertensive male Wistar rats***

Obesity is on the increase globally, while a temporal decline in male fertility parameters is also reported. In this study, two animal models of obesity-related insulin resistance and hypertension were used to show beyond doubt that these conditions could be part of the contributing cause of the decline in male fertility. Treatment with a green rooibos extract (Afriplex GRT™) was able to ameliorate the observed pathological effects of oxidative stress and hormone dysregulation and subsequently led to improved testicular function and sperm parameters. This study provides much needed insight into the pathophysiology of diabetes and hypertension as well as the pharmacological effects of GRT™ treatment on the male reproductive system.

Supervisor: Prof SS du Plessis

Co-supervisor: Prof B Huisamen; Dr G Aboua (external)

MEHRBANI AZAR, Yashar (Internal Medicine)***An investigation into the effects of ex vivo anti-oxidant treatment on the regenerative potential of mesenchymal stem cells following prolonged exposure to a pathological micro-environment associated with diabetes mellitus in vivo***

This study combined the complex aspects of diabetology, regenerative medicine and mesenchymal stem cell biology. Type 2 diabetes mellitus is a multifactorial disease that causes severe co-morbidities such as non-healing wounds. Stem cells can promote wound healing through paracrine signalling and is therefore a promising therapeutic option. However, due to the pathological nature of type 2 diabetes, prolonged exposure of these cells to the diabetic environment reduces their regenerative function. This study demonstrated that antioxidant treatment can restore the function of impaired diabetic stem cells before transplantation and contributes to the advancement of autologous cell therapy.

Supervisor: Dr M van de Vyver

Co-supervisor: Prof CU Niesler (external)

MISHRA, Abhilasha Madhvi (Molecular Biology)***Global transcriptomic investigation of the human macrophage response to infection with pathogenic and non-pathogenic mycobacteria***

This study entailed a global transcriptomic analysis of human blood monocyte-derived macrophages infected with pathogenic (*M. tuberculosis* clinical isolate R179) and non-pathogenic (*M. smegmatis* and *M. bovis* BCG) mycobacteria. Ingenuity pathway analysis revealed up-regulated pathways of the interferon and interleukin family that related to the killing of *M. smegmatis*. Differentially expressed genes were validated through qPCR and Western blots. In a cell culture assay, vector-based overexpression of a family of genes *IFIT1*, *IFIT2* and *IFIT3* resulted in the increased killing of the pathogenic *M. tuberculosis*, identifying them as targets for the development of host-directed therapeutics for the treatment of tuberculosis.

Supervisor: Dr B Baker

Co-supervisor: Dr G Leisching (external)

OBASA, Adetayo Emmanuel Adegbeniga (Medical Virology)***Multidisciplinary viral analyses in people living with HIV-1C and receiving second-line combination antiretroviral therapy (cART) in South Africa***

Antiretroviral therapy as treatment for HIV has grown since its first introduction in the public sector. The development of resistance poses a threat to successful therapy outcomes. This has led to the introduction of a new class of integrase inhibitors as proposed part of the first-line therapy regimens. Due to their superior efficacy and high genetic barrier, this class of drugs was previously reserved as salvage therapy. This study investigated the prevalence of integrase resistance mutations in treatment-naïve and treatment-experienced people living with HIV in South Africa. The outcomes recommend continuous baseline resistance testing before the initiation of therapy.

Supervisor: Dr G Jacobs

Co-supervisors: Dr R Cloete (external), Profs U Neogi (external); K Singh (external)

OWEN, Shaun Matthew (Sport Science)***Match-play demands of a Super Rugby team***

Rugby is a physically challenging intermittent sport whose multi-faceted nature provides players with a range of playing positions, each with various physical traits, roles and responsibilities. An in-depth investigation of position-specific locomotive and contact demands of Super Rugby players during match play through full-match, temporal pattern and peak period analysis was done. The results suggest various differences and similarities between positional groups and provide equations to calculate training drill intensity targets as a function of time to best reflect peak periods of match play. These findings provide a basis for optimal preparation for competition, thereby potentially improving performance and reducing injury risk.

Supervisor: Prof R Venter

Co-supervisor: Dr T Gabbett (external)

SIMONDS, Hannah Mary (Radiotherapy and Radio Isotopes)

Impact of HIV status on staging treatment and outcomes in locally advanced cervical carcinoma

The central research theme for this study was to interrogate the impact of HIV status on staging and on clinical outcomes in women with locally advanced cancer. The study clearly shows that women living with HIV experienced increased toxicity during treatment, but most were able to complete treatment, and their five-year overall survival was nearly 40%. In addition, integration of PET-CT imaging into staging is a viable option. Although differences were noted compared to HIV-negative controls, it was concluded that women living with HIV should be treated with the best standard of care.

Supervisor: Prof MH Botha

TAMANDJOU TCHUEM, Cynthia Raissa (Medical Virology)

Hepatitis B virus mother-to-child transmission in Namibia: Transmission dynamics and possibilities for elimination

This study assessed the feasibility and cost-effectiveness of a screen-treat-vaccinate intervention against hepatitis B mother-to-child transmission (HBV MTCT) and characterised HIV/HBV co-infected children. The main study recruited 500 pregnant women with detailed analysis of costs and demonstrated the feasibility of implementing routine rapid test-based HBV screening for pregnant women and preventing MTCT by treating infectious pregnant women and immunising babies from birth. A cost-effectiveness analysis showed this intervention to be costly, but very effective, indicating the possibility to eliminate HBV MTCT. All HBV/HIV co-infected children with detectable HBV, carried scarred HBV, putting them at increased risk of complications.

Supervisor: Dr M Andersson

TSHIVHULA, Happy (Molecular Biology)

Identification of distinct bio-signatures in whole blood and in-tube quantiferon pellets of tuberculosis (TB) close contacts (CCs) and TB patients with and without type 2 diabetes (T2D)

This study investigated the immunological mechanisms underlying the increased susceptibility of diabetes patients to tuberculosis. It identified distinct RNA signatures specific for TB patients with vs. without diabetes, which may contribute to impaired immune responses and favour immunopathology. Importantly, using this approach the study differentiated individuals with transient hyperglycaemia from those with diabetes, which is useful to avoid misdiagnosis and unnecessary diabetes treatment. In individuals with latent TB it also demonstrated that some of the diabetes-induced immune alterations exist prior to the development of active TB and may therefore contribute to disease progression.

External supervisor: Prof K Ronacher

Co-supervisor: Dr L Kleynhans

Fakulteit Geneeskunde en Gesondheidswetenskappe *Faculty of Medicine and Health Sciences*

Magister in die Natuurwetenskappe

Master of Science

De Jager, Terri-Ann Lenice (Medical Physiology)(*cum laude*)
Effa, Emmanuel Edet (Clinical Epidemiology)
Gwanya-Mdletye, Sisikelelwe Sylvia (Clinical Epidemiology)
Kabotho, Katlego Tebogo (Clinical Epidemiology)
Katende, Bulemba Cedras (Clinical Epidemiology)
Maartens, Desiree Duane (Epidemiology)
Mathebula, Lindi (Clinical Epidemiology)
McKay, Cyrilleen (Anatomy)
Mendy, Joseph F (Molecular Biology)(*cum laude*)
Mwita, Julius Chacha (Clinical Epidemiology)(*cum laude*)
Naidoo, Komeela (Clinical Epidemiology)(*cum laude*)
Ocloo, Remous (Medical Microbiology)
Shabangu, Ayanda Noncedo (Molecular Biology)
Veldsman, Kirsten Abigail (Medical Virology)(*cum laude*)

Magister in die Natuurwetenskappe in Sportwetenskap

Master of Science in Sport Science

Basson, Kyle
Botha, Shamay

Magister in die Geneeskunde

Master of Medicine

Abdullah, Ibtisam (Hematological Pathology)
Abousriwiel, Riad (Internal Medicine)
Andreae, Corinna Doris (Ophthalmology)
Arendorf, Gwyneth Joy (Dermatology)
Armata, Denise (Obstetrics and Gynaecology)
Bashir, Salah (Internal Medicine)
Basson, Tinus Renier (Orthopaedic Surgery)(*cum laude*)
Beath, Natalie (Psychiatry)
Bennett, Jason (Obstetrics and Gynaecology)
Boer, Etienne Herberth (Internal Medicine)
Botes, Jaco Herbert (Surgery)
Botes, Stefan Nicolaas (Surgery)
Brett, Simon (Internal Medicine)
Brownbridge, Joshua Christopher Luke Michael (Family Medicine)(*cum laude*)
Changfoot, Chanel (Surgery)
Claassen, Dirk Johannes Jacobus (Internal Medicine)
Coetzee, Werner Carel (Surgery)
De Bruyn, Gerard Herman Matthys (Otorhinolaryngology)
De Wet, Johann (Dermatology)(*cum laude*)
Dippenaar, Petrus Johannes (Anaesthesiology)
Doubell, Karlien (Family Medicine)
Du Toit, Francois (Radiological Diagnosis)
El Hosny, Ayman A.a (Paediatric Surgery)
Fouché, Jani (Family Medicine)(*cum laude*)
Fourie, Natasha (Paediatric Surgery)
Gericke, Sebastian Hendrik (Paediatrics)
Greybe, Leonore (Paediatrics)
Greyling, Adriaan Johann (Anaesthesiology)(*cum laude*)
Grobbelaar, Madelein (Paediatrics)
Grootboom, Nombongo Monica (Obstetrics and Gynaecology)
Holdt, Frederik Carl (Radiological Diagnosis)
Hoosain, Fatima (Surgery)
Iyambo, Laina (Radiation Therapy)

Inglis, Bronwyn (Forensic Pathology)
Jalavu, Thumeka Portia (Chemical Pathology)
Jansen van Rensburg, Rene (Internal Medicine)
Jeetoo, Surjit Damon (Radiological Diagnosis)
John, Kiran (Internal Medicine)
Jooma, Jeffrey (Nuclear Medicine)
Kearney, Lederi (Internal Medicine)
Kruger, Elsie Catharina (Chemical Pathology)
Lai King, Lauren Veronica (Emergency Medicine)
Le Roux, Johannes Abraham (Orthopaedic Surgery)
Lishman, Juanita (Paediatrics)
Maboreke, Tashinga (Radiological Diagnosis)
Magula, Luzuko (Psychiatry)
Malan, Jacobus Johannes (Anaesthesiology)
Mamdoo, Punithasvaree (Community Health)
Marais, Sumari (Paediatrics)
Mekonnen, Bethelhem Worku (Nuclear Medicine)(*cum laude*)
Mhlana, Nontembiso Aphiwe (Internal Medicine)
Mihalik, Margit (Surgery)
Musekwa, Ernest Morongwa (Hematological Pathology)
Myeko, Zodidi (Paediatrics)
Naude, Malcolm (Ophthalmology)
Ngubane, Zesizwe Simphiwe (Internal Medicine)
Nhlathi, Sihle (Psychiatry)
Overmeyer, Reinhard Carl (Anaesthesiology)
Pretorius, Cornelius Hermanus Zacharias (Obstetrics and Gynaecology)(*cum laude*)
Putter, Magdel (Ophthalmology)
Rogers, Nicholas Stuart (Orthopaedic Surgery)
Roonnarain, Karisha (Neurology)
Salie, Riyaad (Orthopaedic Surgery)
Sebikali, Mugisha Julius (Nuclear Medicine)
Shead, Danielle Claire (Anaesthesiology)
Sheik, Sadiyya (Public Health Medicine)
Shoopala, Helvi Mekondjo Nandigolo (Obstetrics and Gynaecology)
Sibeko, Siyolise Siphiveshile Ian (Internal Medicine)
Socishe, Vuyo (Orthopaedic Surgery)
Van Straaten, Anke (Internal Medicine)
Van Velden, Mia (Paediatrics)
Van Zyl, Rainhard Daniel (Orthopaedic Surgery)
Vlok, Louis (Neurology)
Williams, Hannelie Sarita (Psychiatry)

Magister in Menslike Rehabilitasiestudies

Master of Human Rehabilitation Studies

Dangarembwa, Noel (Rehabilitation)(*cum laude*)
North, Gwen-Lynn (Rehabilitation)

Magister in Patologie

Master of Pathology

Petersen, Nadine (Anatomical Pathology)(*cum laude*)

Magister in die Wysbegeerte

Master of Philosophy

Amirali, Mazher Hussein (Nephrology)
Bennji, Sami Mhamed (Pulmonology)
Gime, Peter (Gynaecological Oncology)
Griffiths, Bradley Paul (Cardiology)

Kakia, Aloysious (Health Professions Education)
 Kassum, Patricia (Nephrology)
 Kirstein, Lizette (Health Professions Education)
 Louw, Johnelize (Cancer Science)
 Madzimbamuto, Farai Daniel (Health Professions Education)
 Makamo, Nthongase Loveness (Cancer Science)(*cum laude*)
 Moses, Jane (Cardiology)
 Nkulu, Patrick Mulongo (Family Medicine)
 Oberholzer, Leana (Gynaecological Oncology)
 Phalwane, Motlalepula Grace (Health Professions Education)
 Ray, Coralie Sunanda (Health Professions Education)
 Rossouw, Jana Nicolene (Maternal and Foetal Medicine)
 Smit, Inge-Marli (Health Professions Education)
 Swart, Hester Alida (Health Professions Education)
 Wa Kone, Olga Kone (Family Medicine)
 Wilken, Elisma (Pulmonology)

Magister in Arbeidsterapie
Master of Occupational Therapy

Louw, Helena Christina

Magister in die Verpleegkunde
Master of Nursing

Kiewiet, Jean Conric Brian

Magister in Voeding
Master of Nutrition

De Kock, Tharien (Nutritional Sciences)
 Lewis, Agnes Mandipa (Nutritional Sciences)
 Slazus, Cecile (Nutritional Sciences)

Honneurs-Baccalaureus in die Natuurwetenskappe
Bachelor of Science Honours

Andrews, Lauren Lane (Medical Virology)(*cum laude*)
 Azzopardi, Charles Paul (Underwater Medicine)(*cum laude*)
 Basson, Kriston Uschke (Physiology (Medical))
 Bayley, Samantha Lee (Human Genetics)(*cum laude*)
 Daniels, Luke-John (Anatomy)(*cum laude*)
 Doubell, Narusa Suria (Anatomy)(*cum laude*)
 Elliott, Maxine Brittany (Physiology (Medical))
 Engel, Stacey Caitlin (Molecular Biology)(*cum laude*)
 Fortuin, Chelsi Shante (Physiology (Medical))
 Gumbo, Rachiel (Molecular Biology)
 Harries, Sarah Kate (Physiology (Medical))
 Hartzer, Alanah Meghan (Medical Microbiology)
 Heidmann, Emma (Anatomy)(*cum laude*)
 Jangano, Charmaine Tariro (Molecular Biology)
 Kariem, Zahra (Medical Virology)
 Kgobe, Neo Lehlogonolo (Physiology (Medical))
 Kgokane, Boipelo (Physiology (Medical))
 Kotze, Leon (Physiology (Medical))
 Lentswe, Tshepiso Innocent (Medical Microbiology)
 Lombard, Alet (Molecular Biology)
 Matthee, Joshua James (Physiology (Medical))
 Melvin, John Ronald (Physiology (Medical))(*cum laude*)
 Molopi, Dintle (Physiology (Medical))
 Moremane, Malebogo Mmamotshegwa (Physiology (Medical))
 Mostert, Kay-Leigh (Physiology (Medical))

Ndebele, Mandisa Ayanda (Physiology (Medical))
 Oosthuizen, Delia (Medical Microbiology)(*cum laude*)
 Paulse, Astrid Gail (Molecular Biology)
 Peterson, Jance (Physiology (Medical))(*cum laude*)
 Retief, Bianca (Physiology (Medical))
 Rockman, Loren Tersia (Molecular Biology)
 Roomaney, Aqeedah Abbas (Human Genetics)
 Scholtz, Denise (Human Genetics)(*cum laude*)
 Stander, Liora Rozanne (Anatomy)
 Van Der Walt, Cheri (Medical Virology)
 Willemse, Ilze Verona (Physiology (Medical))
 Williams, Ricquelle Daphne (Molecular Biology)(*cum laude*)

Honneurs-Baccalaureus in die Natuurwetenskappe in Sportwetenskap
Bachelor of Science Honours in Sport Science

Aanhuizen, Iver Alfred (Performance Sport)
 Abuki, Karabo (Performance Sport)
 Bevis, Hannah Amy (Performance Sport)
 Bishop, Chloé (Kinder Kinetics)
 Blakeway, Sarah Katherine (Performance Sport)
 Botha, Bianca Abrani (Kinder Kinetics)
 Botha, Jeanne Tricia (Kinder Kinetics)
 Boyd, Joshua (Performance Sport)
 Coetzee, Sean (Performance Sport)
 Craig, Mark Johan (Kinder Kinetics)(*cum laude*)
 Dube, Sindiso Rangarirai (Performance Sport)
 Edwards, Hannah Caroline Rachel (Kinder Kinetics)
 Eloff, Dané (Kinder Kinetics)
 Faasen, Stephan (Performance Sport)
 Ferreira, Rosa-Dané (Kinder Kinetics)
 Gustavo, Nhadia Maria (Kinder Kinetics)
 Hattingh, Marnelle (Performance Sport)(*cum laude*)
 Henle, Fabienne (Kinder Kinetics)(*cum laude*)
 Hudson, Kendra Norah (Performance Sport)
 Kwela, Shaun Mvelo Sazi (Performance Sport)
 Langenhoven, Ilse Marie (Performance Sport)
 Nolan, Aristo Kirk (Performance Sport)
 Schenck, Joshua Grant (Performance Sport)
 Smit, Willem Andries (Performance Sport)
 Steyn, Andrie (Performance Sport)
 Swarts, Jacques Philip (Performance Sport)(*cum laude*)
 Theron, Jonita (Performance Sport)
 Van der Merwe, Helene (Kinder Kinetics)(*cum laude*)
 Van der Poel, Elandri (Performance Sport)
 Van Heerden, Tayla Melanie (Performance Sport)
 Van Niekerk, Megan Iris (Kinder Kinetics)(*cum laude*)
 Waldeck, Nicole (Performance Sport)

Honneurs-Baccalaureus in die Natuurwetenskappe in Biokinetika
Bachelor of Science Honours in Biokinetics

Bates, Megan (Biokinetics)
 Botha, Kerika (Biokinetics)
 Dirksen, Danielle Kristen (Biokinetics)
 Engelbrecht, Chimonet (Biokinetics)
 Green, Rochelle Kirsten (Biokinetics)
 Krause, Rozane (Biokinetics)
 Kruger, Milan (Biokinetics)
 Lakey, Jordan Sasha (Biokinetics)(*cum laude*)

Litch, Conrad Frederik (Biokinetics)(*cum laude*)
 Maass, Dirk Kotze (Biokinetics)
 Mabunda, Rhulani Hloniphile (Biokinetics)
 Schick, Ashley (Biokinetics)(*cum laude*)
 Stevens, Jay Kevin (Biokinetics)
 Swanepoel, Danielle (Biokinetics)
 Swanepoel, Jacobus Daniel (Biokinetics)
 Swart, Gheum Luc (Biokinetics)
 Van Zyl, Claire Victoria (Biokinetics)(*cum laude*)
 Watkins, Chantelise (Biokinetics)(*cum laude*)
 Zaayman, Frances (Biokinetics)

**Honneurs-Baccalaureus in Verpleegkunde
 Bachelor of Nursing Honours**

Anthony, Victoria Jenine (*cum laude*)

**Baccalaureus in die Geneeskunde en Baccalaureus in die Snykunde
 Bachelor of Medicine and Bachelor of Surgery**

Abdurahman, Zahira
 Abdurahman, Zakiyya
 Abrahams, Fatiema
 Abrahams, Malikah
 Abrahams, Yusra
 Adams, Danielle Francene
 Adams, Lauren
 Adams, Razana
 Africa, Chiara
 Ahmed, Ramiz
 Aklekar, Madiha
 Alawiye, Abidemi Ajoke Kgahliso
 Allie, Mubeena
 Amien, Leila
 Arends, Robin
 Ashtiker, Rubeena
 Ayerst, Alexandra Lucienne Sydney
 Baatjies, Dianno Ceenan
 Bain, Mickail Carlo
 Barden, Melissa Jane (*cum laude*)
 Barties, Lee-John
 Basson, Megan
 Bayat, Laeequa
 Beelders, Aiden
 Bhikoo, Nadia
 Biyo, Zanda
 Blaauw, Lika
 Bray, Raeesah
 Brinkhuis, Nurjaan
 Brown, Ulfaa
 Brown, Warren Chad
 Budweg, Xinan Sebastian
 Bullock, Heather
 Buys, Shanaaz Chanté
 Cader, Neelum
 Ceki, Songezo
 Chagan, Kishan (*cum laude*)
 Choi, Hao Yang Jeremy
 Codling, Melany
 Coetzee, Rochelle
 Crous, Melissa
 Croxford, James Patrick
 Damons, Jade Taylor
 Dandara, Michelle Tafadzwa Lillian
 Davids, Thaabit
 Dawson, Joslyn Andrea

Daya, Bhavik (*cum laude*)
 De Bruyn, Analien Natasha
 De Kock, Cameron George
 De Vos, Tania (*cum laude*)
 De Vries, Albert
 De Waal, Pierre Ruan
 Dewey, Georgia (*cum laude*)
 Dlamini, Bongumusa
 Dockel, Mathew Craig
 Dollie, Zayyaan
 Douglas, Linamandla
 Dreyer, Anien Roux
 Du Plooy, Erin Michaela
 Du Toit, Tessa (*cum laude*)
 Ehlers, Le-Jean
 Elliot-Wilson, Courtney Frances
 Erasmus, Lisa Nikita
 Faulmann, Matthew
 Felix, Gary Grant
 Ferreira, Frederik Renier
 Finestone, Sara
 Fisher, Taryn
 Fourie, Julia Christiana
 Francis, Glory Ejiro
 Geldenhuys, Hendrik Christoffel (*cum laude*)
 Gerdharee, Sajal (*cum laude*)
 Giliomee, Louis Jonas (*cum laude*)
 Gilliomee, Wilmarie
 Goodwin, Bruchaylah
 Greeff, Nicolene
 Gumede, Mbalenhle Crescentia
 Hannes, Raven Austin
 Hansen, Willy Hubert
 Hamekar, Maryam
 Hartley, Thaakirah
 Hartzenberg, Tylin Rodger
 Hermann, Melinda Rosalie
 Hinze, Angela (*cum laude*)
 Hlongwane, Thabo Wilkinson
 Hoosain, Farhana
 Hughes, Elizabeth Joanne (*cum laude*)
 Human, Elmaur Matthew
 Hurst, Justin Marc
 Ilett, Chiara Dianta
 Isaacs, Mogammad Waleed
 Ismail, Nadia
 Jacobs, Kristen Lucy
 Jacobs, Suzaan
 Jansen van Rensburg, Lisa Lucille (*cum laude*)
 Jekwa, Sivuyisiwe Nadine
 Jenkins, Wianke (*cum laude*)
 John-Osunkwo, Christopher Ndubisi
 Johnson, Zina Duane
 Jooste, Karla Anna
 Joubert, Anja-Catharine
 Joubert, Lorraine
 Kajee, Ismail Ebrahim
 Kanetsi, Tshepo
 Kannemeyer, Naa-Ila
 Karappian, Chloë Priyanka
 Kgatla, Maite
 Khambako, Vutomi Eureka
 Khan, Aaliya
 Khan, Layla
 Khan, Safiya

Khan, Zainab
 Koopman, Adrian Eve
 Kootbodien, Nabeelah
 Krüger, Hanroëtte
 Lambarey, Wafiqah
 Lamera, Abdur Razaq
 Landes, Cara
 Landman, Anja (*cum laude*)
 Langenhoven, Anja
 Lategan, Harriott Jade
 Le Roux, Elzaan (*cum laude*)
 Le Roux, Nicholas Osler
 Leatham, Claire Vanda (*cum laude*)
 Lesole, Thapelo Mary-Grace
 Liedemann, Kayla Paige (*cum laude*)
 Loghdey, Nithaar Ahmed
 Lohlun, Lauren Caitlin Dominique
 Louw, Tina
 Ludick, Gillian Jeanette
 Maartens, Pieter Johann (*cum laude*)
 Mabaso, Palesa Crecencia
 Majiet, Amirah Bibi
 Makiwane, Ayanda Ongezwa
 Makube, Keamogetswe Phenyo
 Malherbe, Yolandi
 Malik, Manahil
 Malope, Mmathapelo Johana
 Maluleke, Vutivi Joy
 Manipersad, Warren Wade
 Marais, Justin
 Martin, Mogamat Junaid (*cum laude*)
 Masuku, Theodore Siphesihle
 Masuo, Refiloe
 Mathee, Cornelis Johannes
 Mazari, Fatima Ouiza
 Mbona, Philile Sindiswa
 McGregor, Cody Trent
 Meachin, Samantha Ashley (*cum laude*)
 Mfeka, Nokhwezi Zibusiso
 Mgumane, Sisipho
 Mkhwanazi, Mpilo Nokwanda Sthokozile
 Mödler, Karl-Heinz
 Mohamed, Shahd
 Mohamed, Yousha
 Mohammed, Farzaana
 Möller, Hendrik Jacobus
 Monama, Katlego
 Montjane, Shartlati Khutjo Daisy
 Monyake, Portia
 Morar, Meera (*cum laude*)
 Morris, Mikayla Nashmene (*cum laude*)
 Moses, Bronwen Marchelle
 Mouton, Juliandri
 Mpatlanyane, Mandy Nino
 Mthembu, Phumelele Thabile
 Mukadam, Nurulain Fatimah
 Mullah, Raaziq Ahmed Yasin
 Munyati, Rutendo Sasha
 Musisi, Thuwaiba
 Mzekeli, Anela
 Nagia, Ayesha
 Naicker, Tevarus
 Naidoo, Tahlia
 Neethling, Eleanor Mari (*cum laude*)
 Nieuwoudt, Wilhelm Du Bois

Nkabinde, Thobeka Sinethemba
 Nkalishane, Thembinkosi Greaterman
 Nkani, Thabisa Phila
 Nkohli, Thandile
 Nkuna, Ntshembo Faith
 Ntuli, Nomfundo Lungile Evelyn
 O'Kennedy, Arina
 Oettlé, Feline-Marié
 Oira, Kevin Paul Gonzales
 Okere, Jessica Amarachi
 Padayachee, Tarryn Esha
 Parbhoo, Shayan (*cum laude*)
 Parker, Azia
 Parker, Naadhira
 Parker, Rayhaan
 Parker, Uzair
 Parker, Uzma Zainab
 Parker, Zainuddin
 Pather, Micaela Kim
 Pedro, Ashwill
 Pitsi, Rosemary Mmabodiba Refentse
 Ponto, Jodie Kim (*cum laude*)
 Pretorius, Cindy Rose
 Pretorius, Paul-Martin
 Price, Sameerah
 Prinsloo, Anel (*cum laude*)
 Raubenheimer, Inge
 Rawoot, Ishtiyaaq Allie
 Rawoot, Ismail Allie (*cum laude*)
 Rawoot, Raeesa
 Razzak, Abdul-Basit
 Revelas, Anja
 Richards, Sadia
 Roodt, Roald Harm
 Ruiters, Avery Carl Phil Abe
 Saaiman, Suanne Geralda
 Salie, Nafeesa
 Sauerman, Cornelius Johannes (*cum laude*)
 Sayed, Maaruf
 Schmidt, Reinhard Johan (*cum laude*)
 Schulte, Elzanne
 Seboka, Bokang
 Sekhokoane, Carlota Mpho
 Senior, Samantha
 Senne, Lebogang
 Shen, Hui I Sally
 Slabber, Bianca
 Smit, Madré (*cum laude*)
 Smith, Lukie Lombaard
 Smith, Marthina Christina
 Solomon, Nicole
 Solomon, Razaan
 Sonnenberg, Dominique Joan
 Soobader, Mohammed Asheeq
 Sophazi, Thabo Mncedisi
 Stakes, Noelle Frances
 Struwig, Danike
 Stuurman, Rimone Tyron
 Summers, Claudia Jean
 Swart, Carla (*cum laude*)
 Swartz, Liam Leslie
 Ter Borg, Elke (*cum laude*)
 Theron, Danielle (*cum laude*)
 Theron, Nicolene Mari
 Thulare, Mokgohloe

Toffa, Sakeenah
 Tromp, Johannes Adriaan (*cum laude*)
 Tsai, Chia-Min
 Vallabh, Jiten (*cum laude*)
 Van Aarde, Carissa (*cum laude*)
 Van der Merwe, Ella
 Van der Merwe, Janey
 Van der Westhuizen, Ananja (*cum laude*)
 Van Heerden, Jennifer Kate (*cum laude*)
 Van Tonder, Christel
 Van Tonder, Tammi Leigh
 Van Wyk, Minke (*cum laude*)
 Van Zyl, Nicola (*cum laude*)
 Varley, Juliana
 Visser, Aniska
 Wagenaar, Ingersöhl Gisela
 Willemse, Zeta Kascha
 Williams, Mu-Ammar Sulaymaan
 Wong, Tiffany
 Yerushalmy, David Pinchas (*cum laude*)
 Yoyo, Ncumisa Babalwa
 Zalgakonkir, Shabnam
 Zulu, Melissa Nondumiso Siphumelele

Baccalaureus in Arbeidsterapie
Bachelor of Occupational Therapy

Allie, Ammaarah
 Ally, Kauthar
 Attridge, Megan Julia
 Border, Jenna Joyce
 Bouwer, Saskia
 Claassens, Nicheri
 De Wet, Cecile
 Engelbrecht, Nicka
 Engelbrecht, Suzanne
 Fayker, Zuhrah
 Foiret, Chanel
 Franckeiss, Jenna Ashley (*cum laude*)
 Frew, Sarah
 Gent, Sarah Jessica
 Hyde, Cally Christine
 Ismail Brown, Aneeqah
 Jeffries, Miché Elizabeth
 Khan, Fathima Zehra
 Khan, Salmah
 Laubscher, Clara
 McCrindle, Samantha Beth
 McCubbin, Claire Cherre
 Mchunu, Sinezelo Nosipho Charmaine
 Mitha, Shaneez
 Moolman, Marizaan
 Mustapha, Asmaa Begum
 Myburg, Teneal
 Newman, Danaé
 Olivier, Andrea
 Osman, Aaliyah
 Pakendorf, Laura
 Parker, Misqah
 Rabe, Hazeli
 Ramklass, Amira
 Ramsden, Amber Jane
 Rautenbach, Gaby
 Roberts, Chandree
 Singh, Jamie-Lee Casey
 Singh, Priya

Smith, Megan Stephani
 Stiglingh, Maaïke
 Thesnaar, Lomarie (*cum laude*)
 Valoyi, Makungu Njombo
 Van Zyl, Retha
 Visser, Anne-Mart
 Waja, Zenobia
 Wong, Hulam Maggie
 Zantsi, Ayabonga
 Zinda, Mary-Anne

Baccalaureus in die Natuurwetenskappe in Fisioterapie
Bachelor of Science in Physiotherapy

Albertyn, Susanna Catharina Suné
 Bavuma, Jane Chanelle
 Booysen, Chanté
 Botha, Liska Martina
 Bowers, Megan Chelsea
 Brooks, Lauren Raegéne
 Brown, Zeenat
 Cable, Dylan Jordan
 Carstens, Gerda Retief
 Coetzé, Johanna Susanna
 Coetzee, Danielle
 Collins, Diandri (*cum laude*)
 Dawnarain, Sujatha
 De Langen, Casey Louise
 Eddy, Nadine Lee
 Fransman, Caitlin Gail
 Gerstner, Liesl
 Godden, Joshua Phila
 Hanekom, Nicola Heslene
 Hendricks, Lauren Jane
 Herrewyn, Lané (*cum laude*)
 Johnson, Jodie Sue
 Jordaan, Chanté
 Joubert, Francois
 Kleinsmidt, Ray-Anne
 Kruger, Christel
 Lamprecht, Daniella (*cum laude*)
 Landman, Almorette
 Madhoo, Anjali
 Marais, Carla
 Maree, Temara
 Moodley, Warren
 Myburgh, Carlien (*cum laude*)
 Nel, Jeanne (*cum laude*)
 Neuhooff, Jessica Merlin (*cum laude*)
 Oosthuizen, Renské Adri
 Ortell, Lee Nathan
 Padayachee, Kerishni
 Pilkington, Liezl
 Raga, Anjali
 Riddle, Camryn Paige
 Rungasamy, Abigail Nicole
 Scheffer, Melissa
 Thevan, Savannah
 Thulsie, Bernita
 Van der Merwe, Johann Lutz
 Vente, Barbara
 Wilkens, Thea-Marika
 Zaayman, Wilhelm Mulder (*cum laude*)

Baccalaureus in die Natuurwetenskappe in Dieetkunde
Bachelor of Science in Dietetics

Abdullah, Sabeeha
Adams, Aaliyah
Booi, Aziwe Sibabalwe
Bosch, Melissa Aletha
Botha, Anika
Buckenham, Aimee
Cronje, Barbara
De Fries, Carina
De Klerk, Nicole
Fourie, Monica
Franceschi, Kenneth
Hannah, Jordan Alexandra
Kemper, Bailey Lauren (*cum laude*)
King, Suzanna Jane
Le Roux, Danisa
Marais, Michelle Jenny
Mzila, Mandisa Ndabezinhle
Nathan, Jessica Leigh
Parker, Azeeza
Pienaar, Hélène
Schoombie, Minette (*cum laude*)
Steenkamp, Bernice (*cum laude*)
Sylvester, Kirstin Jane (*cum laude*)
Theron, Alexa Rose
Turner, Santi
Van Dyk, Jancke Carin
Van Reenen, Raiatea
White, Cheryse Nichole

Baccalaureus in Spraak-Taal- en Gehoortherapie
Bachelor of Speech-language and Hearing Therapy

Achmat, Bilqees
Appenteng, Zoësha Mckenzie
Batjes, Montasha Lana
Bester, Néné
Bezuidenhout, Nerinda
Cloete, Liezl Jolene
Coetzer, Celeste
De Wet, Martha Margaretha
Du Toit, Angelique Estienne
Egan, Frances Ciara
Goliath, Chelsea Jade
Greeff, Suné
Hamman, Sunica
Harck, Jerry-Lee Colleen
Koch, Lourize
Lucas, Celeste Chame
McShane, Kirsty-Sian
Moosa, Farzaana
Moutzoures, Sofia
Niemand, Mari
Packer, Victoria Leigh
Pillay, Carmell
Salie, Ayesha
Scheepers, Nicole
Tikly, Maseeha Jameel
Van der Westhuizen, Carlyn Tiffany
Van Eeden, Susan Ronel (*cum laude*)
Williams, Kyrah Fredene

KANSELIERSTOEKENNING | CHANCELLOR'S AWARD

Fakulteit Geneeskunde en Gesondheidswetenskappe *Faculty of Medicine and Health Sciences*

USUF CHIKTE

Prof Chikte bedien die hoërondewys- en die gesondheidsektor reeds vir baie jare, waarvan die afgelope 23 jaar hier by die US. Sy loopbaan is gegrond op 'n strewe om die ongelykhede in ons samelewing aan te pak. Hy skram nooit daarvan weg om die uitdagende (en soms ongemaklike) vrae te stel nie, en sy breë intellek lewer sterk en ooredende argumente. Hy is 'n voorbeeldige akademikus, professionele persoon en intellektueel, met volgehoue uitnemendheid in navorsing, innovasie, leer en onderrig, sosiale impak en rentmeesterskap. Sy werk lewer 'n blywende bydrae tot die hervorming van die nasionale argitektuur, kultuur en regulatoriese omgewing in sowel die hoërondewys- as die gesondheidsektor.

Prof Chikte has served the higher education and health sectors for many years; the last 23 here at SU. His career has been grounded on a quest to tackle the disparities faced in our society. He never shies away from asking the challenging (and sometimes uncomfortable) questions and his wide-ranging intellect furnishes powerful and persuasive arguments. He is an exemplary academic, professional and intellectual, with sustained excellence across research, innovation, learning and teaching, social impact and stewardship. His work has made a lasting contribution to reshaping the national architecture, culture and regulatory environment in both the higher education and the health sector.



4

10 Desember | 10 December

17:30

Fakulteite

Ekonomiese en Bestuurswetenskappe

(slegs BRek, BRekLLB, HonsBRek en MRek)

Geneeskunde en Gesondheidswetenskappe

(slegs nagraadse diplomas)

Faculties

Economic and Management Sciences

(only BAcc, BAccLLB, BAccHons and MAcc)

Medicine and Health Sciences

(only postgraduate diplomas)

Fakulteit Ekonomiese en Bestuurswetenskappe *Faculty of Economic and Management Sciences*

Magister in Rekeningkunde

Master of Accounting

Warffemius, Petra (*cum laude*)

Honneurs-Baccalaureus in Rekeningkunde

Bachelor of Accounting Honours

Abel, Jacobus Nicolaas Coetzee

Adendorff, Annie Petronella

Alexander, Courtney Tarynne

Anderson, Alecia

Arjun, Kamir

Amot, Matthew Peter

Badenhorst, Kristie

Baleson, Roark

Bardien, Aamina

Barnard, Elze

Barnard, Hendrik-Willem

Batts, Shayna Erren

Bergman, Christine

Binda, Dylan

Birk, Zain Tyron

Blandin De Chalain, Christian Paul

Blok, Michael Tom

Boleslawsky, Jana

Booyesen, Shannon Simone

Boshoff, Elmi Louise

Bosman, Laura Helen (*cum laude*)

Botha, Cyril Vincent

Botha, Melissa

Botha, Yvonne Marne

Brand, Hugo Daniël

Brand, Jacobus Le Roux

Broad, Jessica Anne

Brokensha, Christine Lee (*cum laude*)

Brown, Michael

Brussow, Mitch Darren

Cameron, Claire Louise

Cardoso, Marcelo Joao

Carstens, Celeste

Ceronio, Dante

Clarkson, Gabriella Pascale

Cloete, Petrus Jacobus

Coetze, Kara

Coetzee, Carla

Coetzee, Jeanette

Corbett, Sasha-Lee

Corfe, Jordan Edward

Cyster, Shanice Micaela

Daniel, John Vincent

Davids, Bianca Kim-Lee

De Bruyn, Karli

De Jager, Divan

De Klerk, Enith Noletia

De Kock, Emma Louise

De Lange, Janie

De Villiers, Sybrand Abraham

De Wet, Elsje

De Wit, Kayla

Dempers, Danielle Elizabeth

Dlamini, Namelani Sphesihle

Dodds, David Michael

Du Plessis, Benjamin Deon

Du Plessis, Gerhard

Du Plessis, Jean Prieur

Du Plessis, Jean-Mari

Du Plessis, Kevan Barry

Du Plessis, Willem Hendrik

Du Toit, Charl Francois

Durand, Mariëtte

Duvenage, Markus

Edy, Jarrod Mark

Ehlers, Jason Joubert

Feris, Duane

Fick, Dominic Sebastian

Fortuin, Levern

Fourie, Kirstyn Nicole

Fourie, Nicola

Foxon, Charles Robert

Gallow, Matthew Alexander

Geary, Jamie-Anne

Genders, Jonathan Timothy

Gerber, Shannon May

Gifford, Marc Robert

Gilbert, Danel

Gilson, Matthew Anthony

Göbel, Rurik

Goldacre, Allan Christopher Bryan

Govender, Reedamai

Graves, Kirsten Samantha

Griesel, Andries

Groenewald, Cp Van Zyl

Gudman, David James

Guerrini, Daniela Francesca

Hankey, Jared

Harvey, Matthew Bryce

Haselau, Tegan Lyn (*cum laude*)

Havenga, Jó

Hefer, Carla Careen

Herholdt, Margaux Stephanie

Heyns, Nadine

Hulme, Altenstaedt (*cum laude*)

Human, Paul

Jackson, Ryan Gordon

Jacobs, Christiaan

Janse van Rensburg, Christopher

Jansen, Amy

Jansen, Shandre Jade

Japhta, Kirstin Allerson

Johnson, Shannon Robin

Julies, Cullen

Kabane, Mahle

Karaan, Aishah

Kleynhans, Jeannette Bisschoff

Kluyts, Nerita

Knoetze, Michael

Koegelenberg, Marli

Kruger, Karmien

Kruger, Sharlé
 Land, Kyle Allan
 Langenhoven, Gerrit Stephan
 Le Roux, Gabriel
 Liasides, Phillipa Artemis
 Litster, Blake Stuart
 Loffstadt, Helen Maude
 Lombard, Christiaan Colin
 Lourens, Henro
 Louw, Cecile
 Lutz, Lisa Mariëtte
 Magadza, Ruvimbo
 Maingard, Cameron Herve
 Malan, Marco Eldrid
 Marais, Pieter Schalk
 Matthee, Marilie
 McLaren, Alexandra Robyn
 Meiring, Elizabeth Ann
 Mellet, Judy
 Meuldijk, Jemma Stephanie
 Meyer, Megan
 Mijburgh, Elsa
 Militz, Caitlin Rose
 Minnaar, Tammy Jane
 Mitchell, Chloe Ashley
 Molokana, Vhuthu-Hawe Maleté
 Momoh, Christabell
 Mostert, Jaco
 Mostert, Morne Leon
 Mouton, Jana
 Mujokoro, Brian Junior Tinashe
 Naidu, Shevelle Cecilia
 Neethling, Jacob
 Nel, Danielle
 Nel, Petrus Abel Elias
 Nell, Warne Bouwer
 Nhlapo, Bandile
 Nieuwoudt, Jan-Hendrik
 O'Reilly, Robert Sidney
 Odendal, Meaka
 Olyn, Curtley
 Oosthuizen, Niritha
 Padayachy, Shivani
 Page, Nicholas
 Pagel, Werner Alexander
 Penaluna, Nicholas Mark
 Peters, Luke Stephen
 Petersen, Brandon Malachi
 Petersen, Taryn Kirsten
 Pienaar, Toni
 Pieters, Johané
 Potgieter, Carmen
 Prentice, James Calder
 Pretorius, Marco
 Prince, Ashleigh Christelle
 Raath, Bianca
 Reddan, Kalsey Lynnette
 Reinhardt, Brett Mitchell
 Rickelton, Thomas Phillip

Rightford, Thyme
 Robertson, Ronell
 Roper, Shay Courtney
 Rossouw, Martin Christiaan
 Roux, Eben
 Rubidge, Charlotte Rosalie
 Sarjoo, Byron
 Schleifer, Courtney
 Schlemmer, Craig Stanley
 Schoeman, Lisa
 Schoeman, Luam
 Seegmuller, Joan Hilda
 Setzkorn, Lindie
 Sibbald, Geoffrey Ronald
 Siemens, Anja
 Simon, Chantel
 Simon, Liezel
 Small, Alwyn Johannes
 Smit, Huibrecht Illze
 Smit, Micaela
 Smit, Natalien
 Smit, Nicolaas
 Smit, Sunette Megan
 Snyman, Nicolaas Tjaart
 Spangenberg, Henro Ehlers
 Steyn, Roelene
 Steyn, Ruan Louis
 Stobbart, Rowan Anthony
 Stone, Megan Alexandra
 Strauss, Gerhard Stephan
 Strauss, Sybrand Albertus
 Stumpf, Heidi
 Swanepoel, Anel
 Swart, Christo Bernard
 Swart, Jared Nickolas
 Swart, Larissa
 Taylor, Daniel Royden
 Tedder, Devon Amy
 Ter Borg, Gitte
 Terblanche, Murette
 Thorpe, Ryan
 Tito, Bradley
 Truter, Mari
 Tshipala, Khetho Clifford
 Urry, Austen Bradshaw
 Van den Berg, Simeon
 Van der Gryp, Dewald André Frank
 Van der Merwe, Christelle
 Van der Merwe, Jean
 Van der Merwe, Megan
 Van der Merwe, Mignon
 Van der Meulen, Christopher John
 Van der Walt, Sonja
 Van der Westhuizen, Dewald
 Van der Westhuizen, Margaret
 Van Dewenter, Jacolize
 Van Niekerk, Jacob Jozua
 Van Niekerk, Wiehan
 Van Rensburg, Emwee

Van Schalkwyk, Duan
 Van Staden, Willem-Hendrik
 Van Wyk, Johannes Lambert
 Van Wyk, Lené Jonette
 Van Wyk, Renske
 Van Zyl, Daniël
 Van Zyl, Willem Jacobus
 Veenstra, Ross Siete
 Venter, Cara
 Vermaak, Mari-Louise
 Vermeulen, Jan Pieter Hamman
 Vickers, Graham Warren Leighton
 Viljoen, Roelof Johannes
 Vlaanderen, Damon Ross
 Webster, Robyn
 Westphal, Matthew Aaron
 Weyers, Beane
 Wiese, Adrian
 Wiese, Jacob Abraham
 Woest, Marena Esté
 Wybrow, Dean
 Zeelie, Konrad Luc

**Baccalaureus in Rekeningkunde en Baccalaureus in die
 Regsgeleerdheid**
Bachelor of Accounting and Bachelor of Laws

Boshoff, Alexander Philip
 Groeneveld, Mienke
 James, Matthew (*cum laude*)
 Louw, Joy
 Moller, Fourie
 Muller, Alisha
 Pillay, Melissa Nicole
 Rabie, Liesl (*cum laude*)
 Smit, Susanna Wilhelmina
 Visser, Jacobus Hendrik
 Voysey, Caelia Lyn-Marie
 Wessels, Deoran
 Wewege, James

Baccalaureus in Rekeningkunde
Bachelor of Accounting

Abrahams, Tahira
 Abrahams, Vernoschka Rochell
 Adonis, Dhillshaad
 Agenbag, Janneke
 Alberts, Teegan
 Appelgryn, Rista-Mari (*cum laude*)
 August, Brayton Heinrich
 Baard, Janneke
 Badenhorst, Corné
 Barnard, Ryan
 Basson, Hesmari
 Basson, Jan-Hendrik Hofmeyer
 Benadie, Anton John
 Bester, Christiaan
 Bielich, Alessandra Frances
 Bock, Wernher Johann
 Bongwe, Vele
 Borchers, Ben Wiggins
 Bothma, Anika
 Breedt, Sarel Johannes
 Brinkmann, Luke Peter
 Brown, Ragmat

Brown, Willem Edward
 Burger, Githe
 Burger, Johané
 Burger, Jolandie
 Bush, Keenan Deryck
 Carter, Jonathan Alan
 Cary, Tayla Raine
 Cassiem, Tariq
 Claassen, Bianca
 Claassen, Stephny-Ann Roché
 Coetsee, Daniel Andre
 Coetzee, Melissa (*cum laude*)
 Coetzer, Tristian David
 Crocker, Cuan Anthony Michael
 Cronjé, Christophé Jean
 Cupido, Tristan John
 Dada, Ahmed
 Dahl, Michaela Crosby
 De Bloie, Teagan Dai
 De Jager, Jacques Rudi
 De Koe, Svetlane
 Diener, Jana
 Dixie, Amy Robyn
 Dreyer, Lauren Maree
 Du Toit, Michael-John (*cum laude*)
 Engelbrecht, Janica
 Engelbrecht, Marlize
 Erasmus, David Jones
 Erasmus, Sjande
 Esterhuizen, Eric Johan
 Esterhuyse, Barend Gabriel
 Everson, Charleen (*cum laude*)
 Ferreira, Oriol Elaine
 Fick, Ewaldi Behanke
 Fouche, Michelle
 Fourie, Johanet (*cum laude*)
 Fraser, Christian Peter John
 Frick, Minette
 Gericke, Arn Jacobus
 Gous, Aquill
 Gray, Bryan Gerald
 Gensing, Tim
 Grobler, Reynard Emile
 Groenewald, Keegan Braddon
 Hanekom, Jacques Morné
 Harkers, Nikita Shannon
 Hendricks, Joshua
 Hendricks, Robyn Claire
 Heyink, Sebastian
 Hoffman, Amor
 Hoop, Hinges Aimee
 Hope, Keagan Ryan
 Horne, Zahni
 Houston, Marissa Shereen
 Janse van Rensburg, Lisa
 Johnson, Matthew Graham
 Joseph, Anushca Micheala
 Joseph, Sherwin Dean
 Kameel, Curtley Clarence Daniell
 Kamudyariwa, Mutsa Natalie
 Karlson, Brittany
 Khalfey, Irshaad Ahmed
 Kirchner, Cara Susanne
 Kleinhans, Sujané
 Koenig, Richard Max

Kriel, Adriaan Louw
 Kriel, Susanna Catharina
 Kruger, Myra Stegmann
 Lacock, Carel Henro
 Lawu, Lihle
 Lok, Kayla Man-Yi
 Lombard, Johannes Van Zyl
 Lombard, Pierre Francois
 Louw, Charmé
 Ludick, Jeandré
 Mabusha, Tebogo Timonthy
 Mafa, Sekedi Felicia (*cum laude*)
 Maggott, Rebecca Elizabeth
 Mahlangu, Khanyisile Makhosazana (*cum laude*)
 Mamogobo, Nkwane Albert
 Marais, Anne Louise (*cum laude*)
 Mathebula, Collins
 McCallum, Amré Godfrey
 Mertens, Hanne (*cum laude*)
 Mewett, Christopher Somers
 Moon, Andrew John
 Moss, Courtney Jane
 Mourries, Tiffany Robin
 Muller, Magdalena
 Naidoo, Laneise
 Ndabandaba, Ntokozo Prudence
 Ndala, Cutin Koppie Thapelo
 Neethling, Saskia Celeste
 Ngema, Siphesihle (*cum laude*)
 Nkomombini, Vumani Luncuthumazangwa (*cum laude*)
 Nothnagel, Suanrie (*cum laude*)
 Odendaal, Willem Adriaan (*cum laude*)
 Olivier, Eugene Francois
 Padiachy, Jason Matthew
 Perkins, Emma Louise (*cum laude*)
 Pickvance, Emma Maye
 Pieters, Margot Michelle
 Pool, Karl-Hein (*cum laude*)
 Preston, Courtney Leigh
 Pretorius, Jeandra
 Rabie, Phillip Johan
 Richards, Lane (*cum laude*)
 Rissik, Matthew Dylan (*cum laude*)
 Roberts, Marco Jonico
 Ryklief, Fazlyn
 Schreiber, Heike Berdine
 Selders, Zanli Salome (*cum laude*)
 Shonhiwa, Michael Tanyaradzwa
 Slamet, Du-Wayne Deon
 Smit, Daniël Louw
 Sonnekus, Johann Wilhelm
 Sosibo, Sinegugu Nombuso
 Steenkamp, Elizabeth
 Steenkamp, Joané
 Steinmann, Carel Daniel (*cum laude*)
 Störm, Jana
 Sutton, Kieryn Mary
 Swiegers, Christian Willem
 Taitz, Daniel Ende
 Tarr, Cayley (*cum laude*)
 Theron, Mitchel James
 Thiel, Thabo
 Tolmay, Werner
 Torr, Dustin Andre
 Van den Berg, Mandi

Van der Merwe, Philip
 Van der Schyf, Arnold Lukas (*cum laude*)
 Van der Westhuizen, Jana (*cum laude*)
 Van Eeden, Megan Nolene
 Van Jaarsveld, Janel
 Van Niekerk, Karel Anton
 Van Niekerk, Marli (*cum laude*)
 Van Schoor, Danie
 Van Zyl, Gideon Wilhelm
 Vermeulen, Esmarié
 Viljoen, Joshua Dylan
 Voigt, Alfred Louis Martin
 Volkwyn, Izebelle Raquel
 Vorster, Charnay Crystal
 Wahab, Sadiyah (*cum laude*)
 Wallace, Michael Douglas
 Warnich, Ghea
 Watson, Matthew Neil
 Weber, Ruth
 Weels, Nicole Sume
 Wessels, Yolandi
 Westraad, James
 Whitaker, James Clayton
 Whitaker, Matthew Clayton
 Whitmore, Marco Verster
 Wiese, Nina
 Winter, Ciannait Mcgarvie
 Young, Matthew Robert
 Young, Richard Duncan
 Zondo, Sihle
 Zono, Bulelwa Natasha
 Zulu, Khanyisile Francinah

Fakulteit Geneeskunde en Gesondheidswetenskappe *Faculty of Medicine and Health Sciences*

Nagraadse Diploma in Verslawingsorg **Postgraduate Diploma in Addiction Care**

Acker, Marna
Cassiern, Malory Elvinia
Cupido, Jonathan
Grobler, Chantell
Kitshoff, Gloudina
Louw, André Jacques
Muller, Lisette Jolene
Parker, Insauf
Syed, Zarina (*cum laude*)
Toom, Navidah Natasha
Vorster, Samuel Andrew

Nagraadse Diploma in Verpleegkunde **Postgraduate Diploma in Nursing**

Adams-Boois, Eliza Jostine (Primary Health Care)(*cum laude*)
Antonowitz, Hilde-Marie (Primary Health Care)(*cum laude*)
Bizani, Dumisa (Primary Health Care)
Botha, Nomabhelu Cynthia (Primary Health Care)
Dipa, Nokulunga Shireen (Primary Health Care)
Duba, Vuyisaka (Primary Health Care)(*cum laude*)
Engelbrecht, Aniena (Nursing Education)(*cum laude*)
Farooq, Venesia (Primary Health Care)(*cum laude*)
Feketshane, Nomtha (Primary Health Care)
Flynn, Roxzanne Anastasia Eve (Primary Health Care)(*cum laude*)
Frans, Jolene (Primary Health Care)(*cum laude*)
Franse, Patricia (Primary Health Care)(*cum laude*)
Goeieman, Gale (Primary Health Care) (*cum laude*)
Grey, Vuyelwa Petronella (Primary Health Care)(*cum laude*)
Hansen, Sarie Hendrietha (Primary Health Care)(*cum laude*)
Jadezweni, Zikhona (Primary Health Care)(*cum laude*)
Joubert, Chrismare (Primary Health Care)(*cum laude*)
Koopman, Abigale (Primary Health Care)
Koopman, Lezandray (Primary Health Care)(*cum laude*)
Kupiso, Thandiswa Hilda (Primary Health Care)
Kuse, Florence Ndileka (Primary Health Care)
Legolie, Leroy (Primary Health Care)
Lewins, Althea (Primary Health Care)(*cum laude*)
Magawu, Babalwa (Primary Health Care)(*cum laude*)
Magxala, Nomawabo Bongiswa (Primary Health Care)(*cum laude*)
Masa, Nosiphelele (Primary Health Care)(*cum laude*)
Mlonzi, Onesimo (Primary Health Care)(*cum laude*)
Mpoqane, Phumla (Primary Health Care)
Nake, Mzingisi (Primary Health Care)(*cum laude*)
Nontshinga, Phumeza Veronica (Primary Health Care)(*cum laude*)
Noordien, Yusrah (Primary Health Care)(*cum laude*)
Ntungwa, Nontozamo Grace (Primary Health Care)
Piquer, Kellen (Primary Health Care)(*cum laude*)
Pitout, Bronwyn Claire (Primary Health Care)(*cum laude*)
Qaba, Buyelwa (Primary Health Care)
Rabe-Steenberg, Jacquelyne (Primary Health Care)
Ranisi, Babalwa (Primary Health Care)(*cum laude*)
Ranthokoane, Sithabile (Primary Health Care)
Sibango, Nobathembu (Primary Health Care)
Stewart, Susan (Primary Health Care)
Swarts, Johanna Maria (Primary Health Care)
Tshangela, Phoebe (Primary Health Care)

Vanyaza, Zodwa (Primary Health Care)
Welkom, Kadephi Moses (Primary Health Care)(*cum laude*)
Williams, Jacqueline Nicole (Primary Health Care)
Yekisoخورانا, Nomangaliso (Primary Health Care)
Yuse, Nomaybongwe (Primary Health Care)
Zondo, Sphehile David (Primary Health Care)

Nagraadse Diploma in Huisartskunde **Postgraduate Diploma in Family Medicine**

Kadima, Bayila Arlette Tshimbalanga
Kalonji-Makaloni, Njiba
Muzenda, Priti
Pedro, Darren Mark
Van der Werff, Carolina Elisabeth
Wa Mulaja, Makobo Jacques

Nagraadse Diploma in Beroepsgeneeskunde **Postgraduate Diploma in Occupational Medicine**

Asante, Laverne
Cloete, Jozene (*cum laude*)
De Jager, Francisca
Domingo, Rynold Wayne
Geldenhuys, Johan Albertus
Gillion, Lee-Ann
Kriel, Elizabeth (*cum laude*)
Maisel, Carla Janet
Maqanda, Nonkanyiso
Müller, Mathilde Laura (*cum laude*)
Nxumalo, Enock S'thembiso
Viljoen, Isebel Maritza (*cum laude*)
Wessels, Marian
Zachariah, Nithin
Zeeman, Adriaan Siebrits (*cum laude*)
Zwane, Andile Makhosazana Prudence

Nagraadse Diploma in Volwassene-kritiekesorg-verpleegkunde **Postgraduate Diploma in Adult Critical Care Nursing**

Basson, Elaine
Burger, Anna Maria
Mathew, Justin (*cum laude*)
Minnaar, Daniel Carl Claude
Moos, Megan Danielle
Morley, Jamie Lee (*cum laude*)
Wahlang, June Greta

Nagraadse Diploma in Gevorderde Verloskunde en Neonatale Verpleegkunde **Postgraduate Diploma in Advanced Midwifery and Neonatal Nursing**

Adams, Marlise
Arendse, Mishqah (*cum laude*)
Baartman, Marleze (*cum laude*)
Fuzile, Khululwa
Gyamfi, Afriyie Ernestina
Hartnick, Giselle Estelle
Hector, Chanell Danielle (*cum laude*)
Hoga, Noxolo
Keoreng, Ezekiel (*cum laude*)

Koenze, Germaine (*cum laude*)
Kolwane-James, Nokulunga
Magazi, Joni
Martin, Graydoline Heibre-Lee (*cum laude*)
Mnguni, Wilheminah S bongile
Ndwandwa, Aphiwe Patricia
Philander, Diana Nadene Merle
Pieterse, Carmen Janice
Solomons, Veronica (*cum laude*)
Swartbooi, Caroline Dorothy
Tyelinzima-Ntuli, Nokubonga

Nagraadse Diploma in Operasiesaal-verpleegkunde
Postgraduate Diploma in Operating Theatre Nursing

Appu, Anoop Kumar
Badenhorst, Annamarie Magaretha
Basson, Meliza Joy
Du Toit, Michelle-Ann
Levene, Samantha Louise
Linden, Normalene Faith
Madlengi-Xego, Busisiwe
Mehl, Ashley Giovanni Aberous
Mkundlu, Mlandeli
Pearce, Lauren Elise
Swart, Mariska
Thomas, Sinil
Tiedt, Michelle Emma
Van Zyl, Andrea Elizabeth (*cum laude*)
Vikilahle, Busisiwe Leigh-Anne
Zondani, Nomfundiso Happiness Zondani

Nagraadse Diploma in Gevorderde Psigiatryse Verpleegkunde
Postgraduate Diploma in Advanced Psychiatric Nursing

Dayse, Margaret Irene
Fisher, Chine
Gama, Sophy
Makhubela, Mary Hlekane
Mamabolo, Simon Manaba
Matee, Pule Isaac
Mgqatsa, Nosifiso
Mgxaji, Luvo
Mokono, Kgare Jan
Mtshweni, Bawinile Senzi Leah
Ncongwane, Lindokuhle Thibile Edward
Nkomonde, Mapaseka Magret (*cum laude*)
Sebetlela, Gaelebale
Van der Linde, Michelle Astrid
Xulu, Dineo Precious

Nagraadse Diploma in Verpleegonderwys
Postgraduate Diploma in Nursing Education

Arison, Mellissa Lindsay
Brown-Edwards, Cathy Jerry-Ann Rochelle
De Klerk, Natasha Maryna (*cum laude*)
Deti, Ziyanda
Dinginto, Ntombomzi Sheila
Egbera, Joyce Ifeanyi
Fouche, Moira Sandy

Fouten, Beulah Patricia
Govender, Anusha Esther
Iiyambo, Anneli Susanna
Jacobs, Angeline Mildred
Jaison, Alice Yeukai (*cum laude*)
Jordan, Nanushka Cher
Josiah, Jo-Anne
Ketile, Asanda
Koekemoer, Natalie Felicity
Kruger-Nel, Chenel (*cum laude*)
Legolie, Sandra Juanita
Lekaota, Ntshuwa Cynthia
Lotz, Claudette (*cum laude*)
Mangiagalli, Leoni
Masemola, Seepati Olga
Mfecane, Nosintu
Michael, Rona
Mnwana, Millicent Sindiswa (*cum laude*)
Moolman, Ayabonga Ongeziwe (*cum laude*)
Moolman, Hester Carolina (*cum laude*)
Moyo, Perseverance
Mpehle, Zanele
Naluwe, Nehepo Peggy
Ntjabane, Seema Elliot (*cum laude*)
Oamen, Benedict
Olivera, Shanene Corene
Papier, Whilma Amanda
Pattinson, Surika (*cum laude*)
Radyn, Roné
Rayners, Linda Elizabeth
Swemmer, Karen (*cum laude*)
Theron, Anna Elizeeth
Thomas, Tercia
Van der Walt, Liana
Van Wyk, Jo-Annette
Van Wyk, Petronella Jennifer
Visser, Annelize
Williams, Marie Rosaline
Zeiss, Tanya
Zekani, Masiyibonge

Nagraadse Diploma in Verplegings- en Gesondheidsdiensbestuur
Postgraduate Diploma in Nursing and Health Service Management

Adams, Monique
Almendo, Gwendoline
Alobwede, Mejane Olive
Anthony, Deidre
Ayuk, Mabel Nkeng (*cum laude*)
Aziz, Melissa
Bell, Andri (*cum laude*)
Bomvana, Sikelelo
Boshoff, Janine Yolande
Dalasile, Nomasimphiwe
Daniels, Josephine Margaret
Davids, Anneline Florence (*cum laude*)
Davison, Susan Jennifer
Fourie, Gideon Gert
Gallant, Vernon Franswa

Gxagxisa, Nobulali Mavis
Hefke, Cherry-Lynn
Helao, Emma Ndahafa
Hendricks, Lucian (*cum laude*)
Johnson, Andrea
Jurack, Carla
Kelepa, Matheko Juliah
Khasoane, Pulane Lucy
Latell, Sandy Elzaine
Lenono, Josina
Liedeman, Pearl
Mbande, Lukhanyo Lucas (*cum laude*)
McCallum, Rimonley Estene (*cum laude*)
McFarlane, Tamar
Merrington, Cheryl
Molefi, Ntseliseng
Mpondwana, Pinky
Nagiah, Sharday Melissa (*cum laude*)
Naidoo, Adri Louise
Njikelana, Mnikeli
Notshe, Sivenathi
O'Connor, Cindy
Odayar, Leeanna
Petinger, Ilanza
Pukwana, Sicelo
Scheepers, Najuwah
Sedras, Candice Dominique
Smit, Estelle
Smith, Wilhelmina
Solomons, Lucinda
Stuart, Colleen (*cum laude*)
Tizwi, Jean
Tjamane, Ret'selisitsoe Elizabeth
Tlali, Motselisi
Van der Merwe, Nicole (*cum laude*)
Wagner, Michelle Joylene
Williams, Annebelle Rene
Zacharias, Edwinha Shirley
Zenani, Nombulelo Esme
Zenani, Talita
Zokufa, Nonzwakazi Cornelia
Zondani, Lindelwa

Nagraadse Diploma in Geneesmiddelontwikkeling Postgraduate Diploma in Medicines Development

Chetty, Verushka (*cum laude*)
Chidanyika, Mary Nyasha
Chiloane, Reneilwe Le-Ann
Chinhenzva, Miriam
Daniels, Joseph
Du Toit, Samantha Maria (*cum laude*)
Erasmus, Melissa
Gafoor, Ruwaida
Magwenya, Rodney Hudson (*cum laude*)
Maritz, Averouz
Mbhamali, Sebentile Ncamsile
Moyo, Sylvester Zibusiso
Murangandi, Pelagia (*cum laude*)
Nel, Monique (*cum laude*)
Phiri, White (*cum laude*)
Pofa, Justice
Sam, Ayanda
Uthman, Saeed Bashir

KANSELIERSTOEKENNING | CHANCELLOR'S AWARD

Afdeling Korporatiewe Kommunikasie *Corporate Communication Division*

SUSAN VAN DER MERWE

Me Susan van der Merwe is wyd in die US bekend vir haar professionaliteit, kundigheid, ywer, toewyding aan die welstand en vooruitgang van die Universiteit, en as iemand wat nooit skroom om in die moeilikste omstandighede ver buite die grense van voortreflikheid te presteer nie.

As Direkteur: Kommunikasie en Belanghebbverhoudings werk sy oor verskillende belangegroepe heen om die strategiese visie en kernboodskappe van die Universiteit te vertolk en op inspirerende wyse oor verskeie kommunikasieplatforms, van gedrukte tot digitale media, oor te dra.

Onder haar bekwame leiding doen korporatiewe jaarverslae op aanskoulike wyse verslag oor die opwindende prestasies van 'n transformerende instelling. Verskeie daarvan is deur eksterne professionele organisasies vir uitmuntende redaksionele inhoud en kreatiewe aanbieding bekroon.

Mrs Susan van der Merwe is widely known and respected throughout the University for her professionalism, diligence, expertise, commitment to the well-being and advancement of the institution and as someone who never shies away from performing beyond the boundaries and call of her formal duties.

In her capacity as Director: Communication and Stakeholder Relations, she operates across different stakeholder groupings to interpret and convey the strategic vision and key messages of the University in an inspiring manner across a range of communication platforms, from print to digital media.

Corporate annual reports, produced under her expert guidance, report on the remarkable achievements of a transformative institution – a few winning much acclaim and awards from external professional organisations for exceptional editorial content and creative presentation.

