UNIVERSITY OF THE FREE STATE

FACULTY OF NATURAL AND AGRICULTURAL SCIENCES

2019

ECONOMIC AND MANAGEMENT SCIENCES
EKONOMIESE EN BESTUURSWETENSKAPPE
UFS·UV

EDUCATION
OPVOEDKUNDE
UFS·UV

HEALTH SCIENCES
GESONDHEIDSWETENSKAPPE
UFS·UV

HUMANITIES
GEESTESWETENSKAPPE
UFS·UV

LAW
REGSGELEERDHEID
UFS·UV

NATURAL AND AGRICULTURAL SCIENCES
NATUUR- EN LANDBOUWETENSKAPPE
UFS·UV

THEOLOGY AND RELIGION
TEOLOGIE EN RELIGIE
UFS·UV

T: +27 51 401 3000 | E: ufsmarketing@ufs.ac.za | www.ufs.ac.za
UFSUV | UFSweb | UFSweb

Inspireer uitnemendheid. Verander lewens.
Inspiring excellence. Transforming lives.

UNIVERSITY OF THE FREE STATE
UNIVERSITEIT VAN DIE VRYSTAAT
YUNIVESITHI YA FREISTATA

UFS UV

Welcome to the Faculty of Natural and Agricultural Sciences, where our motto 'no substitute for excellence' drives our academic endeavours. The faculty provides opportunities for further study, research, and scholarly community engagement in diverse disciplines spanning the natural, agricultural, and building sciences.

design and layout - doublepurple d'zine studio

FACULTY OF
NATURAL AND AGRICULTURAL SCIENCES

The faculty is divided into the three broad areas of training and research:

- **Agricultural Sciences**

The choice of Agricultural Science degrees comprises disciplines such as Animal Science, Agrometeorology, Agronomy, Grassland Sciences, Soil Science, Agricultural Economics, Plant Breeding, and Sustainable Agriculture. The UFS is located in the heart of the food basket of South Africa – the agricultural hub. Our wide variety of agricultural programmes reflects the role of the UFS in creating sustainable food production and food security for our country.

- **Natural Sciences**

Natural Science degrees are offered in disciplines such as Biology, Mathematics, Chemical and Physical Sciences, Geosciences, Computer Science, as well as Consumer Sciences.

- **Building Sciences**

In the Building Sciences you can do Quantity Surveying, Construction Management, Architecture, and Urban and Regional Planning.

Our faculty is a vibrant place that attracts both national and international students as a result of its stimulating curriculum, and to which scholars are lured because of our exciting research agenda. We are an engaged faculty, whose interactions with its community is integrated with research and teaching.

Visit the webpages of our departments and centres to see which study opportunities are available in the Natural, Agricultural, and Building Sciences.

Welcome to our faculty
PROF DANIE VERMEULEN
DEAN

GENERAL REGULATIONS:

This information should be used in addition to the Calendar of the Faculty of Natural and Agricultural Sciences.

- Only the curriculum of the first academic year is shown.
- During the orientation week at the beginning of the academic year, the programme directors will discuss curriculum compositions with students to clear up any uncertainties. It is VERY important that first-year students attend this orientation.

THIS FACULTY IS THE RIGHT CHOICE:

- Market-orientated programmes designed for a number of job opportunities.
- Quality control to ensure that your degree is in demand.
- A unique faculty with a large variety of disciplines.
- Postgraduate programmes designed for easy access to advanced degrees.
- Research of high quality, which is a prerequisite for quality teaching.
- Contact teaching is in English.
- Our students are our important clients.
- We proudly offer programmes on all three campuses, i.e. South Campus (SC), Bloemfontein Campus (BC), and Qwaqwa Campus (QC).

APPLICATION TO STUDY IN 2019

BECOME A UFS STUDENT IN EIGHT STEPS

1. Apply online or in hard copy.

2. Your application form is captured. You will receive a student number. If you have not submitted the required documents, you will be requested to do so in order to finalise your application.

3. You will receive a conditional offer for non-selection programmes if you meet all the admission requirements. Selection programmes are excluded.

4. If you have applied for a residence on campus, you will now receive correspondence from Housing and Residence Affairs.

5. If you are accepted when the final Grade 12 results are released, you will receive communication regarding your admission.

6. Five (5) days prior to registration in early 2019, you have to make a prepayment. Use your student number as a reference number.

7. Register either online or manually, before classes start.

8. Collect your study material and timetable after registration.

REMEMBER TO WRITE THE NBTs BEFORE THE END OF 2018

IMPORTANT APPLICATION OPENING DATES

Date	Programmes for which applications open
1 April 2018	Applications to study any undergraduate programme offered on the Bloemfontein and Qwaqwa Campuses in 2019
1 September 2018	Applications to study any University Access Programme (UAP) offered on the South Campus in 2019

APPLICATION TO STUDY AT THE UFS IS FREE

You can apply either online or in hard copy.

ONLINE application: Go to www.ufs.ac.za. Follow the link https://apply.ufs.ac.za/ – online application. Proceed through all eight easy steps and submit your electronic application.

Upload copies of the following in PDF or JPEG format when you apply for undergraduate studies:

- Your ID or passport
- Your parent's ID or passport if you are younger than 18 years
- Your Grade 11 final results with the school's stamp
- Your Grade 12 June results with the school's stamp as soon as it is available. Email the results to studentadmin@ufs.ac.za, especially if you have applied for a selection programme
- Your academic record, only if you are a current student at another institution of higher learning
- USAf accreditation from the examination board for South African universities. Apply to mb.usaf.ac.za for conditional exemption, foreign conditional exemption, or mature age conditional exemption.

The online application is quick and easy – no hassle, no fuss!
It has a modern design and is mobile and tablet-friendly. You can apply using any device. No selection forms need to be attached, unless requested otherwise. You can expect a quicker response time if you apply online.

HARD COPY application: Go to www.ufs.ac.za. Follow the link 'how to apply' and download the hard copy application. Complete and sign the application, and mail it with all the relevant certified documentation to: The Application Office, PO Box 339, Bloemfontein 9300.

Remember to include copies of:

- Your ID or passport
- Your parent's ID or passport if you are younger than 18 years
- Your Grade 11 final results
- Your Grade 12 June results with the school's stamp as soon as it is available. Email the results to studentadmin@ufs.ac.za, especially if you have applied for a selection programme
- Your academic record, only if you are a current student at another institution of higher learning
- USAf accreditation from the examination board for South African universities. Apply to mb.usaf.ac.za for conditional exemption, foreign conditional exemption, or mature age conditional exemption.

For assistance or enquiries, contact +27 51 401 9666 or studentadmin@ufs.ac.za

IMPORTANT INFORMATION FOR ADMISSION TO STUDY AT THE UFS

- There are specific matric exemption requirements that you must meet if you want to study at any South African university. If you completed school in or after 2008, and have a National Senior Certificate (NSC), you need the following to apply for admission to a Bachelor's degree at any South African university:
  - Four (4) of the seven (7) subjects included in your NSC subject package must be from the designated subject list
  - Achieve a performance level of at least 4 (50%) in each of these four (4) subjects
- Admission to study at the UFS is dependent on the following:
  - Your application meets all the minimum requirements for the programme
  - The programme must have available space and capacity to admit students
  - You have to submit valid school results with your application
- All admission requirements apply to first-year students in 2019.
- The UFS reserves the right to change the minimum requirements of each programme without notifying you.

FACULTY-SPECIFIC ADMISSION REQUIREMENTS

- A minimum Admission Point of 30 is required, unless stated otherwise.
- Language of instruction on level 4 (50%).
- A minimum performance level of 50% in Mathematics. Depending on the programme you are interested in, a higher performance level in Mathematics is required.
- Both Biology and Physical Science will be required for admission to most BSc programmes; however, there are programmes where you require either Life Sciences or Physical Sciences. Consult the Faculty Rulebook for more information.
- Participation in the NBT tests for Language and Mathematics is required.

The admission requirements are a broad indication for entrance into the Faculty of Natural and Agricultural Sciences. Make sure you know the admission requirements of the programme you are interested in.

It is very important that you study the Faculty Rulebook at www.ufs.ac.za, or contact the specific programme director or the faculty manager, as any one of the minimum admission requirements of any programme can be changed without prior notification.

An admission point (AP) consisting of seven levels is used. Points will be awarded for six academic modules.

No points will be awarded for achievement levels lower than 30%:

Percentage	7 (90–100) %	7 (80–89) %	6 (70–79) %	5 (60–69) %	4 (50–59) %	3 (40–49) %	2 (30–39) %
AP	8	7	6	5	4	3	2

One point is awarded for Life Orientation (LO) from achievement level 5 (60%) or higher.

Confidentiality Clause

The UFS confirms that all personal information provided in your application form will be treated confidentially and will not be sold to a third party or used for commercial or related purposes. The UFS further confirms that your personal information will only be used for purposes relating to your potential relationship with the UFS as a student, including but not limited to the processing of your application to study at the UFS, effecting registration at the UFS, and for any communication purposes related to your application and/or registration to study at the UFS.

IMPORTANT APPLICATION CLOSING DATES

Date	Programmes for which applications close
31 July 2018	Architecture Quantity Surveying (residential and compact-learning) Construction Management (residential and compact-learning)
31 August 2018	International undergraduate applications
30 September 2018	Geology Forensic Sciences All non-selection programmes
30 November 2018	All University Access Programmes on the South Campus

ABBREVIATIONS

From this point forward, we will use these abbreviations instead of the full terms:

- NSC: National Senior Certificate
- AP: Admission point
- APC: Academic Plan Code
- LOI: Language of Instruction
- MATHS: Mathematics
- MATHS LIT: Mathematical Literacy
- PS: Physical Sciences
- LS: Life Sciences
- AS: Agricultural Sciences
- NBT: National Benchmark Tests
- AL: Academic Literacy Test (NBT)
- QL: Quantitative Literacy Test (NBT)
- MT: Mathematics Test (NBT)
- BC: Bloemfontein Campus
- QC: Qwaqwa Campus
- SC: South Campus

GENERAL ENQUIRIES:
Webpage: www.ufs.ac.za/natagri | natagri@ufs.ac.za
Faculty address: Dean of the Faculty of Natural and Agricultural Sciences
University of the Free State | PO Box 339 | Bloemfontein | 9300
Faculty manager: +27 51 401 3199 | Dean: +27 51 401 2322 | Marketing manager: +27 51 401 2531

Isn't it amazing how working with the smallest elements in the universe, we at the Faculty of Natural and Agricultural Sciences can make you understand the bigger picture in the Agricultural, Natural, and Building Sciences?

IMPORTANT NOTICE: AS FROM 2020, ALL PROGRAMMES THAT REQUIRE A LEVEL 4 (50%) FOR PHYSICAL SCIENCES WILL BE CHANGED TO LEVEL 5 (60%).

AGRICULTURAL SCIENCES

In this programme, we offer the following qualifications: an 18-month Advanced Diploma in Sustainable Agriculture and Rural Development, a three-year Bachelor of Agriculture degree (BAgric), a three-year Bachelor of Science degree in Agricultural Economics, and a four-year Bachelor of Agricultural Science degree (BScAgric).

Apart from this, we also offer University Preparation and Access (UPP) Programmes for BAgric/BScAgric on the South Campus. If the admission requirements for the BAgric or BScAgric programmes on the Bloemfontein Campus are not met, students can also enrol for these programmes on the South Campus; if students pass all the subjects offered, they can continue on the Bloemfontein Campus. [Please check the admission requirements for these programmes.]

For more information regarding this, please contact the programme director on +27 051 401 2934.

UNIVERSITY ACCESS PROGRAMMES

These programmes are only presented on the South Campus in Bloemfontein and on the Qwaqwa Campus.

Duration of studies: Four years

Enquiries: Ms Elzmarie Oosthuizen: +27 51 401 2934 | OosthuizenEM@ufs.ac.za

THE FOLLOWING PROGRAMMES ARE PRESENTED ON THE SOUTH CAMPUS:

If you are not successful in gaining admission to the university, you may take one of the following Agricultural Programmes to obtain access:

1. University Access Programme (UAP) for BAgric
2. BAgric Extended Curriculum Programme (4 years)
3. BScAgric Extended Curriculum Programme (5 years)

This programme extends over one year and gives the successful student a chance to enter into the BAgric/BScAgric programmes on the Bloemfontein Campus. The programme provides students an opportunity to enjoy generally formative and vocationally-directed studies at various further- and higher-education institutions after the successful completion of a bridging year.

UAP Agricultural Sciences for BAgric

Programme Description		Minimum Admission Requirements					
Programme options	**APC**	**AP**	**LOI**	**MATHS**	**MATHS LIT**	**NBT**	**Campus**
Agricultural Sciences	50001	20	3 (40%)	2 (30%)	5 (60%)	N/A	SC

- After successful completion of ALL THE MODULES in the first year of the BAgric Extended Curriculum Programme or the UPP Agricultural Sciences Programme with an average of 55% for the academic modules, you can change to the first-year main fields of interest modules in the learning programme of your choice on the Bloemfontein Campus, as set out in the faculty's Rulebook.
- Either Mathematics or Mathematical Literacy will be accepted.
- If you do not complete the first two years of study in three years, you will not be allowed to re-register with the Faculty of Natural and Agricultural Sciences.

Extended Curriculum Programmes

Programme Description		Minimum Admission Requirements					
Programme	**APC**	**AP**	**LOI**	**MATHS**	**MATHS LIT**	**NBT**	**Campus**
BAgric Extended Curriculum Programme*	BC5300E1	22	4 (50%)	2 (30%)	5 (60%)	N/A	SC

Either Mathematics or Mathematical Literacy will be accepted if the AP score is 26 or higher. It is a four-year programme.

BScAgric Extended Curriculum Programme**	BC5480E1	22	4 (50%)	3 (40%)		N/A	SC

- Additional requirements: Life Sciences on level 4 (50%) OR Physical Sciences on level 3 (40%) OR Agricultural Science on level 4 (50%). This is a five-year programme.

You attend the first year of study on the South Campus, after which you can proceed to the Bloemfontein Campus in the second year.

Diplomas

The University of the Free State only offers the Advanced Diploma in Sustainable Agriculture and Rural Development [postgraduate diploma], and no longer offers undergraduate diplomas in Agricultural Sciences.

Contact details: Dr Johan van Niekerk +27 51 401 3765

BAgric degrees

Duration of studies: Three years

Enquiries: Dr Antonie Geyer: +27 51 401 9053 | geyerac@ufs.ac.za

The objective of the degree is the training of students who will be able to apply agricultural knowledge practically at farm level, as well as in agriculturally-related organisations. The BAgric qualification will allow individuals to apply their knowledge in the fields of resource utilisation, agricultural production, processing, management, and communication.

Careers/fields of study:

- Agricultural adviser, extension and training officer.
- Managerial positions in a wide range of agri-businesses and farmer enterprises.
- Representatives in agrochemical (pharmaceuticals, fertilisers, pesticides, etc.) and animal feed companies.

Bachelor of Agriculture (BAgric) in the following majors

Programme Description		Minimum Admission Requirements				
Programme	APC	AP	LOI	MATHS	NBT	Campus
BAgric majoring in Agricultural Extension	BC530147	30	4 (50%)	3 (40%)	AL, QL, MT	BC
BAgric majoring in Agricultural Extension is a new specialisation programme that develops agricultural extension specialists that could support sustainable agricultural practices, guidance and support to ensure food security and socio-economic development.						
BAgric majoring in Agricultural Management	BC530152	30	4 (50%)	3 (40%)	AL, QL, MT	BC
BAgric majoring in Animal Production Management	BC530101	30	4 (50%)	3 (40%)	AL, QL, MT	BC
BAgric majoring in Crop Production Management	BC530102	30	4 (50%)	3 (40%)	AL, QL, MT	BC
BAgric majoring in Mixed Farming Management	BC530103	30	4 (50%)	3 (40%)	AL, QL, MT	BC
BAgric majoring in Irrigation Management	BC530172	30	4 (50%)	3 (40%)	AL, QL, MT	BC
BAgric majoring in Wildlife Management	BC530190	30	4 (50%)	3 (40%)	AL, QL, MT	BC
For the listed programmes above, Mathematical Literacy on level 7 (80%) will also be accepted if the AP is 31 or above. (Excluding BAgric majoring in Agricultural Economics)						
BAgric majoring in Agricultural Economics	BC530111	30	4 (50%)	4 (50%)	AL, QL, MT	BC

BScAgric

This degree must be considered if you are interested in qualifying as an agricultural scientist who, through research and practically-orientated development, wants to expand your knowledge. There are different learning programmes for the BScAgric degree with combinations between the following fields of specialisation: Agricultural Economics, Agronomy, Agrometeorology, Animal Science, Food Science, Grassland Science, Irrigation Science, Plant Breeding, Plant Pathology, Soil Science, etc. These study fields will enable you to qualify for one of the following careers:

Careers/fields of study:

- Entomologist • Soil Scientist • Agricultural Economist (through BSc Agricultural Economics only) • Agricultural Manager • Plant Breeder • Agro-meteorologist • Animal Physiologist
- Plant Pathologist • Animal Nutritionist • Animal Breeder • Grassland Scientist • Food Scientist
- Agronomist or Plant Production Specialist • Irrigation Scientist

BSc Agricultural Economics (3 years)

The learning programme in Agricultural Economics offers only ONE option. It focuses mainly on Agricultural Economics and Statistics as majors. In the first year Mathematics, Statistics, Biology, and Agricultural Economics are compulsory, with a choice between three electives: Soil Science, Animal, Wildlife and Grassland Sciences, and Biology. In the second year Agricultural Economics, Economics, Statistics, and Computer Literacy are compulsory, with a choice between the electives: Agronomy, Soil Science, Animal Science, and Grassland Science. In the third and final year Agricultural Economics and Statistics are compulsory. The electives to choose from are: Agronomy, Animal Science, Soil Science, and Grassland Science.

Enquiries: Dr Antonie Geyer: +27 51 401 9053

Careers/fields of study:

- Animal, Wildlife and Grassland Sciences: animal breeder, animal physiologist, animal nutritionist, grassland scientist, agricultural adviser, private consultant, farmer, academic, teacher, extension officer, and researcher.
- Soil, Crop and Climate Sciences: agronomist, soil scientist, horticulturist, agro-meteorologist, researcher, agricultural adviser, and consultant.
- Plant Sciences: plant pathologist or plant breeder at private or public institutions involved in crop research and development in the agricultural, horticultural, and forestry industries.

Programme Description		Minimum Admission Requirements				
Programme	APC	AP	LOI	MATHS	NBT	Campus
BSc majoring in Agricultural Economics	BC431100	30	4 (50%)	5 (60%)	AL, QL, MT	BC

BSc (Agriculture) degrees

Duration of studies: Four years, unless indicated otherwise

Enquiries: All Agricultural Programmes: Dr Antonie Geyer +27 51 401 9053 | geyerac@ufs.ac.za

As from 2020, all BSc (Agriculture) programmes, excluding BSc (Agricultural Economics), will require two subjects from Life Sciences, Physical Sciences, and Agricultural Sciences WITH Mathematics. Furthermore, all programmes that require a level 4 (50%) for Physical Sciences, will be changed to level 5 (60%).

The following combinations will be available:

- Learning programmes in the **AGROMETEOROLOGY field of interest offer SIX options** with a combination of Agrometeorology as a major for specialisation in the fourth year and a minor from one of the following: Agronomy, Soil Sciences, Agricultural Economics, Agricultural Engineering, Grassland Sciences or Plant Pathology.
- Learning programmes in the **AGRONOMY field of interest offer EIGHT options** with a combination of Agronomy as a major for specialisation in the fourth year and a minor from: Agrometeorology, Soil Sciences, Agricultural Economics, Animal Sciences, Entomology, Food Sciences, Plant Breeding or Plant Pathology.
- Learning programmes in the **SOIL SCIENCE field of interest offer SIX options** with a combination of Soil Science as a major for specialisation in the fourth year and a minor from: Agronomy, Soil Sciences, Agricultural Economics, Agricultural Engineering, Grassland Sciences or Plant Pathology.
- Learning programmes in the **ANIMAL, WILDLIFE AND GRASSLAND SCIENCES** field of interest offers FOUR options with a combination of either Animal or Wildlife and Grassland Sciences as a major for specialisation in the fourth year and a minor from one of them or from Agricultural Economics and Soil Science until third-year level.
- Learning programmes in the **FOOD SCIENCES field of interest offer FIVE options** with a combination of Food Sciences as a major for specialisation in the fourth year and a minor from: Agronomy, Animal Sciences, Chemistry, Biochemistry, or Microbiology.
- Learning programmes in the **PLANT BREEDING AND PLANT PATHOLOGY field of interest offers FOUR options** with a combination of either Plant Breeding or Plant Pathology as a major for specialisation in the fourth year and a minor from either Plant Breeding or one of the two fields of interest or from Grassland and Agronomy until third-year level.

BSc (Agriculture) – 4 years

Programme Description		Minimum Admission Requirements							
Programme	APC	AP	LOI	MATHS	LS	PS	AS	NBT	Campus
BSc (Agriculture) majoring in Animal Sciences with Agricultural Economics	BC541511	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Grassland Sciences with Animal Sciences	BC543615	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Grassland Sciences with Soil Sciences	BC543644	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Grassland Sciences with Wildlife Production	BC543689	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agrometeorology with Agricultural Economics	BC541211	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agrometeorology with Agronomy	BC541213	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agrometeorology with Grassland Sciences	BC541236	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agrometeorology with Plant Pathology	BC541242	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agrometeorology with Soil Science	BC541244	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agrometeorology with Agricultural Engineering	BC541251	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Agricultural Economics	BC541311	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Agrometeorology	BC541312	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Animal Science	BC541315	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Entomology	BC541327	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Food Science	BC541329	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Plant Breeding	BC541341	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC

Programme Description		Minimum Admission Requirements							
Programme	APC	AP	LOI	MATHS	LS	PS	AS	NBT	Campus
BSc (Agriculture) majoring in Agronomy with Pathology	BC541342	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Agronomy with Soil Science	BC541344	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Soil Science with Agricultural Economics	BC544411	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Soil Science with Agrometeorology	BC544412	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Soil Science with Agronomy	BC544413	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Soil Science with Grassland Science	BC544436	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Soil Science with Plant Pathology	BC544442	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Soil Science with Agricultural Engineering	BC544451	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Food Science with Agronomy	BC542913	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Food Science with Animal Science	BC542922	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Plant Breeding with Agronomy	BC544112	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Plant Breeding with Plant Pathology	BC544142	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Plant Breeding with Grassland Science	BC544144	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Agriculture) majoring in Plant Pathology with Plant Breeding	BC544241	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	5 (60%)	AL, QL, MT	BC

One of either Life Sciences or Agricultural Sciences or Physical Sciences WITH Mathematics is required.

NATURAL SCIENCES

- This information should be used in addition to the Rulebook of the Faculty of Natural and Agricultural Sciences.
- Only the curriculum for the first academic year is shown.
- During the orientation week at the start of the academic year, the programme directors will discuss curriculum compositions with students to clear up any uncertainties.

In this programme, we offer the following undergraduate qualifications:

- **Bachelor degrees in:**

  Agriculture; Consumer Sciences (General and Food); Computer Information Systems.

- **Bachelor of Science degrees in:**

  Actuarial Sciences, Agrometeorology, Astrophysics, Genetics, Behavioural Genetics, Human Molecular Biology, Biochemistry, Botany, Chemistry, Consumer Science, Construction Management (residential and distance learning), Entomology, Environmental Rehabilitation, Food Science, Forensic Science, Geography, Geology, Information Technology, Mathematics and Applied Mathematics, Mathematical Statistics, Microbiology, Physics, Plant Breeding, Plant Health Ecology, Plant Pathology, Statistics, Quantity Surveying (residential and distance learning), Zoology.

Candidates who do not comply with the Faculty of Natural and Agricultural Sciences' entry requirements for mainstream BSc studies, can gain admission to the university through the University Access Programme (UAP) or the BSc Extended Curriculum Programme. These programmes provide students an opportunity to improve their skills and competencies with the aim of gaining access to mainstream studies after successful completion of the first year. These programmes also address, through courses in Skills and Competencies in Lifelong Learning, the student's wider needs with regards to quality of personal life, study and reading skills, self-assertiveness, problem solving, and other generic competencies. Students also attend an academic language course in English to improve reading and writing skills for higher-education purposes. Please check the admission requirements for these programmes.

For more information regarding these programmes, please contact the programme director on +27 51 401 2934.

THE FOLLOWING UNIVERSITY PREPARATION PROGRAMME (NATURAL SCIENCES) IS OFFERED:

Enquiries: Pieter Bothma: +27 51 505 1381 – Bloemfontein | Lea Koenig: +27 58 718 5207 - Qwaqwa

Programme Description		Minimum Admission Requirements						
Programme options	APC	AP	LOI	MATHS	LS	PS	NBT	SITE
Natural Sciences	40001	20	3 (40%)	3 (40%)	3 (40%)	3 (40%)	N/A	South Campus, Sasolburg, Welkom

Either Life Sciences or Physical Sciences will be accepted.

BSc EXTENDED CURRICULUM PROGRAMMES

THE FOLLOWING BSc EXTENDED CURRICULUM PROGRAMMES ARE PRESENTED ON THE SOUTH CAMPUS IN BLOEMFONTEIN:

Enquiries: Pieter Bothma: +27 51 505 1381 - Bloemfontein

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc Extended Curriculum Programme majoring in Mathematics and Chemistry	BC4300E1	22	4 (50%)	3 (40%)	3 (40%)	3 (40%)	N/A	South Campus
Either Life Sciences or Physical Sciences are required.								
BSc Extended Curriculum Programme majoring in Mathematics and Finances	BC4300E2	22	4 (50%)	3 (40%)			N/A	South Campus

THE FOLLOWING BSc EXTENDED CURRICULUM PROGRAMMES ARE PRESENTED ON THE QWAQWA CAMPUS:

Enquiries: Lea Koenig: +27 58 718 5207 | koenigl@ufs.ac.za

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc Extended Curriculum Programme majoring in Mathematics and Chemistry	QC4300E1	22	3 (40%)	4 (50%)	3 (40%)	3 (40%)	N/A	QC
BSc Extended Curriculum Programme majoring in Biology and Geography	QC4300E2	22	3 (40%)	4 (50%)	3 (40%)	3 (40%)	N/A	QC
BSc Extended Curriculum Programme majoring in Computer Sciences	QC4301E1	22	4 (50%)	3 (40%)		3 (40%)	N/A	QC

- If you do not meet the admission requirements for the three-year BSc programmes, you could be allowed into the BSc Extended Curriculum Programme if you meet the minimum admission requirements.
- Either Life Sciences or Physical Sciences are required.

BACHELOR OF SCIENCE (BSc) DEGREES IN THE FOLLOWING PROGRAMMES:

LEARNING PROGRAMMES IN BIOLOGICAL SCIENCES

Duration of programme: Three years

Enquiries: Programme Directors:

- Genetics, Behavioural Genetics: Zurika Murray: +27 51 401 2776 | murrayz@ufs.ac.za
- Botany, Plant Breeding, Plant Pathology, Plant Health: Prof Botma Visser: +27 51 401 3278 | visserb@ufs.ac.za
- Zoology, Entomology: Dr Candice Jansen van Rensburg: +27 51 401 9357 | jvrensc@ufs.ac.za
- Biochemistry, Food Science: Dr Frans O'Neill: +27 51 401 7553 | oneillfh@ufs.ac.za
- Microbiology, Food Science: Prof Koos Albertyn: +27 51 401 2223 | albertynj@ufs.ac.za
- Forensic Sciences: Dr Karen Ehlers: +27 51 401 3978 | ehlersk@ufs.ac.za

Learning programmes in the **BIOLOGICAL FIELD OF INTEREST 1 offers SIXTEEN options** with a combination of any two majors, e.g. Biochemistry and Microbiology, Biochemistry and Genetics, Biochemistry and Botany, Biochemistry and Entomology, Biochemistry and Zoology, Microbiology and Genetics, Microbiology and Botany, Microbiology and Entomology, Microbiology and Zoology, or Microbiology and Food Science.

Learning programmes in the **BIOLOGICAL SCIENCES FIELD OF INTEREST 2 offers SEVEN options** with Biochemistry and Food Science, Biochemistry and Statistics, Biochemistry and Physiology, Behavioural Genetics (Genetics and Psychology), Genetics and Physiology, Human Molecular Biology or Forensic Sciences.

Learning programmes in the **BIOLOGICAL SCIENCES FIELD OF INTEREST 3 offers FOUR options**: Plant Health Ecology, Botany and Plant Pathology, Botany and Plant Breeding, and Environmental Rehabilitation with Botany as a major in combination with other modules.

Learning programmes in the **BIOLOGICAL SCIENCES FIELD OF INTEREST 4 offers THREE options**: Biochemistry and Food Science, Biochemistry and Statistics, Biochemistry and Physiology.

THE FOLLOWING PROGRAMMES ARE PRESENTED ON THE BLOEMFONTEIN CAMPUS:

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc majoring in Biochemistry and Botany	BC431920	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Biochemistry and Entomology	BC431927	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Biochemistry and Food Science	BC431929	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Biochemistry and Genetics	BC431931	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Biochemistry and Microbiology	BC431939	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Biochemistry and Statistics	BC431946	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC

Programme Description		Minimum Admission Requirements						
Programme	APC	AP	LOI	MATHS	LS	PS	NBT	Campus
BSc majoring in Biochemistry and Zoology	BC431949	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Biochemistry and Physiology	BC431980	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Botany and Entomology	BC432027	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Botany and Genetics	BC432031	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Botany and Microbiology	BC432039	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Botany and Plant Breeding	BC432041	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Botany and Plant Pathology	BC432042	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Botany and Zoology	BC432049	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Plant Health Ecology	BC432182	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Entomology and Genetics	BC432731	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Entomology and Microbiology	BC432739	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Entomology and Zoology	BC432749	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Behavioural Genetics	BC433118	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Genetics and Microbiology	BC433139	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Genetics and Physiology	BC433180	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Genetics and Zoology	BC433149	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Microbiology and Food Sciences	BC433929	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Microbiology and Statistics	BC433946	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Microbiology and Zoology	BC433949	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC

- Students intending to register for Chemistry as a major, must take note that only 80 students in the second year and only 60 students in the third year will be admitted, based on academic excellence.
- Only 200 students intending to register for Genetics or Zoology will be admitted.

THE FOLLOWING PROGRAMMES IN BIOLOGICAL SCIENCES ARE PRESENTED ON THE QWAQWA CAMPUS:

Enquiries: Dr Tom Okello: +27 58 718 5478 | okellotw@ufs.ac.za

Programme Description		Minimum Admission Requirements						
Programme	APC	AP	LOI	MATHS	LS	PS	NBT	Campus
BSc majoring in Botany and Life Sciences	QC432065	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc majoring in Life Sciences	QC436500	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc majoring in Zoology and Life Sciences	QC434965	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC

Careers / fields of study:

- Genetics: Technicians in agricultural, forestry, seed, pest control, and medical research institutes, as well as forensic institutions (e.g. police services).
- Plant Sciences: Careers in the educational, agricultural, environmental, and biotechnological sectors as botanist, plant breeder, plant pathologist, researcher, teacher, environmental consultant, conservationist, laboratory or research assistant, and entrepreneur.
- Microbial, Biochemical and Food Biotechnology: Analysts, technicians, researchers, academics, and entrepreneurs in research and development for the production and analysis of vaccines and drugs, as well as diagnostic tests for use in human, animal, and plant health, whether in industry, academia, or research institutes. Laboratory and production assistants and managers working in product development, production, quality and pollution control in the food, medical, and chemical sectors (e.g. breweries, meat, dairy, and grain industries, vaccine, drug, chemicals and paper manufacturing, as well as water purification).
- Zoology and Entomology: Laboratory or research assistant, teacher, environmental consultant, conservationist in environmental or agricultural sectors; education and medical institutes or as an entrepreneur.

BEHAVIOURAL GENETICS (BC433118) DIFFERS FROM THE ABOVE BIOLOGY PROGRAMMES

Duration of programme: Three years

Enquiries: Mrs Zurika Murray: +27 51 401 2776 | murrayZ@ufs.ac.za

Behavioural Genetics is a combination of Psychology and Genetics. The main purpose of this subject area is to study the interaction between the environment and hereditary behavioural patterns. After completion of this study, the student will have a thorough basic knowledge of Behavioural Genetics. The student will be capable of specialising on postgraduate level (up to PhD) in Behavioural Genetics, Genetics or Psychology. Postgraduate training is essential in order to work as a behavioural geneticist.

Careers/fields of study:

- Technicians in medical research and diagnostic institutes. A postgraduate qualification is highly recommended.

FORENSIC SCIENCES

Duration of programme: Three years

Enquiries: Dr Karen Ehlers: +27 51 401 3978 | ehlersk@ufs.ac.za

Admission is subject to selection. This programme focuses on how science can be used to analyse and interpret different crime scenes. This includes Chemistry, Physics, Genetics, and Entomology. After completion of this study, the student will have a thorough basic knowledge of the physical and biological science aspects of Forensic Sciences. The student will be able to specialise on postgraduate level (up to PhD) in Forensic Sciences, Forensic Genetics, Forensic Chemistry, Forensic Entomology, Forensic Physics, Genetics, and Chemistry (depending on final-year majors). This programme is only presented on the Bloemfontein Campus.

Careers/fields of study:

- Technicians and analysts in forensic laboratories. A postgraduate qualification is highly recommended.

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc majoring in Forensic Sciences	BC433031	34	4 (50%)	6 (70%)	6 (70%)	5 (60%)	AL, QL, MT	BC

Subject to selection. A minimum AP of 34 is required, with a cumulative AP score of at least 17 for Mathematics, Life Sciences, and Physical Sciences. NBT results will be used for selection and admission purposes. No person with a criminal record will be admitted to this programme. Closing date for applications is 30 September 2018.

LEARNING PROGRAMMES IN CHEMICAL AND PHYSICAL SCIENCES

Duration of programme: Three years

Enquiries: Dr Johan Venter: +27 51 401 3336 | venterja@ufs.ac.za

Learning programmes in Chemical and Physical Sciences offer FIVE main options:

- Physics and Chemistry
- Physics and Astrophysics
- Physics and Agrometeorology
- Physics and Engineering subjects
- Chemistry in combination with biological subjects as the other majors:
  - Chemistry and Botany
  - Chemistry and Food Sciences
  - Chemistry and Microbiology
  - Chemistry and Biochemistry

In other programmes, Physics can also be taken in combination with Mathematics, Geology, and Computer Science. In similar programmes, Chemistry can be taken in combination with Forensic Science, Mathematics, Geology, and Computer Science.

Physics

This learning programme makes provision for the student who is interested in Physics. Careers include working in industry, research laboratories, and teaching at schools or universities. This programme is well suited to careers in many manufacturing industries (mining, agriculture, and metallurgy) or engineering firms concerned with mechanical, civil, telecommunication and/or electronic and electrical activities. Careers in design, energy production, computer sciences, advanced instrumentation development, and modelling are also possible. Postgraduate studies can be pursued in Physics, provided that the necessary prerequisites are met. Combined career directions, for example combinations of Physics and Law (e.g. patent lawyer) or Physics and economic fields (e.g. financial modelling or risk assessment) can also be considered after further studies in these directions.

Chemistry

This learning programme makes provision for the student who is interested in Chemistry. Careers include working in industry, research laboratories, and teaching at schools or universities. Postgraduate studies can be pursued in Chemistry, if the prerequisites are met.

Careers/fields of study:

- Careers in research laboratories, e.g. CSIR and Sasol; academia, e.g. university lecturing and research; industry, e.g. petrochemical, rubber, manufacturing, paint, food, mining, water purification, etc.
- Careers in research laboratories, e.g. CSIR and Mintek; academia, e.g. university lecturing and research; industry, e.g. manufacturing, energy, nuclear, telecommunications, instrumentation, modelling, Bureau of Standards.

THE FOLLOWING PROGRAMMES ARE OFFERED ON THE BLOEMFONTEIN CAMPUS:

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc majoring in Chemistry and Biochemistry	BC432119	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Chemistry and Food Sciences	BC432129	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Chemistry and Microbiology	BC432139	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Chemistry and Physics	BC432140	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Chemistry and Botany	BC432120	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC

- If Biological subjects are the second major, Life Sciences at level 5 (60%) is required.
- If you intend to register for Chemistry as a major, take note that only 80 students in the second year and only 60 students in the third year will be admitted, based on academic excellence.

Astrophysics

Duration of programme: Three years

Enquiries: Dr Johan Venter: +27 51 401 3336 | venterja@ufs.ac.za

In this learning programme, Astrophysics is presented together with Physics on the Bloemfontein Campus. Students who have successfully completed their studies, can pursue postgraduate studies in Physics with Astrophysics modules, which can lead to a MSc and a PhD in Physics, specialising in Astrophysics.

Careers/fields of study:

- Careers in research institutes, e.g. SAAO, SKA, HartRAO, and HMO; academia, e.g. university lecturing and research; space science (satellite applications) or public education centres, e.g. planetariums or museums.

Programme Description		Minimum Admission Requirements					
Programme	**APC**	**AP**	**LOI**	**MATHS**	**PS**	**NBT**	**Campus**
BSc majoring in Physics and Astrophysics	BC434017	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC

Physics and Agrometeorology

Duration of programme: Three years

Enquiries: Dr Johan Venter: +27 51 401 3336 | venterja@ufs.ac.za

By combining Physics with Agrometeorology, students get the opportunity to apply numerous physical principles to agrometeorological applications, such as remote sensing, developing and calibrating instrumentation, numerical model refinement, thermodynamical and microphysical processes in the atmosphere, and weather forecasting in general. This is a popular combination with potential employers.

Careers/fields of study:

- Careers in research institutions, e.g. ARC and SAWS; private consultation, e.g. irrigation scheduling; meteorological instrumentation companies, e.g. Campbell Scientific; academia, e.g. university lecturing and research.

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc majoring in Physics and Agrometeorology	BC434012	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC

Physics with Engineering subjects

Duration of programme: Three years

Enquiries: Dr Johan Venter: +27 51 401 3336 | venterja@ufs.ac.za

This is a NEW programme which provides an alternative route into Engineering studies at other academic institutions.

In this learning programme, the basic building blocks for Engineering are presented together with Physics. In the last semester (third year), students will have to choose between Physics and Engineering. Students who have successfully completed the programme in the Engineering option, will be able to apply for integration into the third year of study in certain Engineering degree programmes (civil, mechanical, electrical / electronic) at universities offering BEng or BScEng degrees. Integration will be subject to the availability of space in these degree programmes, the selection processes, and other requirements prescribed by the particular collaborating university.

Careers/fields of study:

- Engineering assistant or construction site manager or the Physics option: this will enable graduates to either enter workplaces requiring a physics focus, or continue with postgraduate studies in Physics should they meet the entrance requirements, or the Engineering option: This will enable graduates to pursue further discipline-specific Engineering studies at other universities such as: Agricultural Engineering, Civil Engineering, Electrical Engineering, Electronic Engineering, Mechanical Engineering, Mechatronic Engineering.

Programme Description		Minimum Admission Requirements					
Programme	**APC**	**AP**	**LOI**	**MATHS**	**PS**	**NBT**	**Campus**
BSc majoring in Physics and Engineering Subjects	BC434026	34	4 (50%)	6 (70%)	7 (80%)	AL, QL, MT	BC

For BSc majoring in Physics and Engineering, a minimum cumulative point of 12 must be achieved for Mathematics and Physical Sciences. For example, if Mathematics is on level 6 (70%), Physical Sciences must be on level 6 (70%) or if Mathematics is on level 7 (80%), Physical Sciences will be accepted on achievement level 5 (60%).

THE FOLLOWING PROGRAMMES IN CHEMISTRY AND PHYSICS ARE PRESENTED ON THE QWAQWA CAMPUS:

Chemistry in combination with Biological subjects

Duration of programme: Three years

Enquiries: Richard Ocaya: +27 58 718 5301 | ocayaro@ufs.ac.za

This learning programme makes provision for a student who is interested in Chemistry and the Biological Sciences where the foundation of Biological systems and Chemistry is involved. It includes careers in any manufacturing industry, as well as in fields such as medicine, the pharmaceutical industry, agriculture (including livestock, crops, pest control, soil, and water), forestry, environmental, waste and pollution management, and various careers in the marine environment. Postgraduate studies may be continued in Chemistry or any of the Biological Sciences if the necessary prerequisites are met.

Careers/fields of study:

- Careers in industry, e.g. food and beverage, brewing, mining, water purification, pharmaceuticals, agriculture, forestry, pollution.

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc majoring in Chemistry and Physics	QC432140	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc majoring in Chemistry and Botany	QC432120	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC

LEARNING PROGRAMMES IN CONSUMER SCIENCE

Duration of programme: Four years

Enquiries: Prof HJH Steyn: +27 51 401 2304 | steynhj@ufs.ac.za

Consumer Science is the study of people's needs regarding housing, clothing and food, and the management of resources to satisfy these needs. After completion of this programme, the BConsSc student will be capable of following a career as a consumer scientist, e.g. consumer consultant, designer, buyer, marketer, or quality-control inspector of consumer products. The student should also be capable of advising consumers on the management of time, energy, and other resources. The major subjects are Foods, Consumer Science, and Textiles. After completion of the BSc Consumer Science programme, the student will be able to follow a career in the food industry. The major subjects are Foods and Food Science. Learning programmes in the Consumer Science field of interest offer one option.

Careers/fields of study:

- Consumer consultant, designer, buyer, marketer or quality controller of consumer and food products, product developer, quality controller, consultant or researcher in the food industry.

THE FOLLOWING PROGRAMMES ARE PRESENTED ONLY ON THE BLOEMFONTEIN CAMPUS:

Programme Description		Minimum Admission Requirements						
Programme	**APC**	**AP**	**LOI**	**MATHS**	**LS**	**PS**	**NBT**	**Campus**
BSc (Consumer Science)	BC432300	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	BC
Bachelor of Consumer Science	BC430123	30	4 (50%)	3 (40%)			AL, QL	BC

Mathematical Literacy on level 7 (80%) will also be accepted.

LEARNING PROGRAMMES IN MATHEMATICAL SCIENCES

Duration of programme: Three years

Enquiries: Programme Directors:

- Applied Mathematics, Mathematical Science:
  Christiaan Venter: +27 51 401 2320 | venterc@ufs.ac.za
- Mathematical Statistics, Actuarial Sciences, Applied Statistics:
  Dr Michael von Maltitz: +27 51 401 2609 | vmaltitzmj@ufs.ac.za

Learning programmes in MATHEMATICAL STATISTICS offer FOUR main options with a combination of disciplines:

- Mathematical Statistics and Agrometeorology (Climate Sciences)
- Mathematical Statistics and Economics (Econometrics)
- Mathematical Statistics and Investment Sciences (Investment Science)
- Mathematical Statistics and Psychology (Psychometrics)

Careers/fields of study:

- Statistical analysis for government institutions, research councils, financial institutions, psychological research centres and industries or a career as lecturer. Investment analyst, investment manager, risk manager, financial reporter, financial planner.

This learning programme focuses on stochastic models with various applications for Mathematical Statistics. It is evident from the numerous options in the third year that there is a vast field for statistical applications in practice. The programme also enables students to proceed with postgraduate study in Mathematical Statistics and Risk Analysis.
The Investment Science degree is specifically designed for students with a passion for Mathematics and the workings of finance in any investment type, in particular for students who eventually wish to qualify as a Chartered Financial Analyst. The degree will provide students with a thorough grounding in Mathematics (including, most important, Financial or Investment Mathematics), Mathematical Statistics, Investment Strategies and Practices, and Economics, together with an understanding of Computers, Computer Programming, and Financial Accounting. This basis allows students to follow postgraduate degrees in Investment Science, Mathematical Statistics, or Investment Management.

Learning programmes in STATISTICS offer THREE main options with a combination of disciplines:

- Applied Statistics and Accounting
- Applied Statistics and Economics
- Applied Statistics and Psychology

Careers/fields of study:

- Economist, econometrician, statistician, research psychologist, financial economist or financial adviser. The learning programme focuses on the application of statistical methods in practice, and enables students to proceed with postgraduate study in Statistics.

Learning programmes in MATHEMATICS offer FIVE main options with a combination of disciplines:

- Mathematics and Applied Mathematics
- Mathematics and Chemistry
- Mathematics and Mathematical Statistics
- Mathematics and Physics
- Mathematics and Finances

It is very important that you study the Faculty Rulebook at www.ufs.ac.za as the minimum requirements of any programme can be amended without notifying you.

Careers/fields of study:

- Scientist, mathematical analyst, researcher, lecturer or teacher. Mathematical analysis of financial problems for financial institutions such as banks, insurance, and investment institutions.

These learning programmes are recommended for students who wish to develop a sound mathematical base for a career as a scientist, mathematical analyst, financial mathematician, lecturer or teacher. Students can broaden their scientific background by combining their mathematical subjects with Physics or Chemistry. For a career in Applied Mathematics, the student must first develop a solid mathematical foundation.

The Mathematics and Finances interdisciplinary learning programme is aimed at students who are interested in Mathematics in the financial world. Financial institutions such as banks, insurance and investment companies need well-trained mathematicians with a sound base in the economic sciences. This combination of skills offers excellent career opportunities for graduates who can do mathematical analyses of financial problems. Students can decide how big an emphasis they want to put on the various disciplines. Postgraduate study will enable a person to handle more complex financial models.

Learning Programme In Actuarial Sciences

Duration of study: Three years

Careers/fields of study:
Actuary, actuarial assistant, risk analyst, financial reporter, manager, investment manager, statistician, teacher.

This learning programme is specifically designed for students who eventually plan to qualify as actuaries, i.e. as fellows of a professional body. The Actuarial Society of South Africa (ASSA) uses the curriculum of the Joint Board of the Institute/Faculty of Actuaries, UK. Certain South African universities, of which the UFS is one, has an exemption agreement with the Institute/Faculty of Actuaries to recommend students who perform at a certain standard to obtain exemptions for the Core Technical (CT) series subjects. Prospective students can be recommended for exemptions in CT1, CT2, CT3, CT4, CT6, and CT7 after obtaining the degree, as well as for CT5 and CT8 after completing the honours degree. After a candidate has obtained the relevant degrees, such a candidate must also pass the prescribed examinations of the Joint Board of the Institute of Actuaries (London) and the Faculty of Actuaries (Edinburgh) to qualify as a fully-fledged actuary.

For more information on this programme, visit www.ufs.ac.za/actuarial

Programme Description		Minimum Admission Requirements					
Programme	APC	AP	LOI	MATHS	PS	NBT	Campus
BSc majoring in Mathematics and Chemistry	BC433821	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Mathematics and Mathematical Statistics	BC433837	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Mathematics and Applied Mathematics	BC433816	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Mathematics and Physics	BC433840	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Mathematics and Finances	BC433864	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Mathematical Statistics and Psychometrics	BC433786	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Econometrics	BC433758	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Investment Sciences	BC433701	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Climate Sciences	BC433712	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC

Programme Description		Minimum Admission Requirements					
Programme	APC	AP	LOI	MATHS	PS	NBT	Campus
BSc majoring in Statistics and Accounting	BC434650	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Statistics and Economics	BC434658	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Statistics and Psychology	BC434686	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc majoring in Actuarial Science	BC431000	34	4 (50%)	6 (70%)		AL, QL, MT	BC

- If you enrol for any of the Applied Statistics degrees, Mathematics on level 5 (60%) is required.
- If Agrometeorology or Chemistry or Physics is the second major, Physical Sciences on level 4 (50%) is required.

LEARNING PROGRAMMES IN GEOSCIENCES

GEOLOGY

Duration of programme: Three years

Enquiries: Programme Director: Justine Magson: +27 51 401 2373 | markramj1@ufs.ac.za

Learning programmes in GEOLOGY offers SIX main options with either:

- Geology specialisation
- Geochemistry
- Environmental Geology
- Geology and Chemistry
- Geology and Geography
- Geology and Physics

Geology specialisation

After completion of this learning programme up to honours level, you will be trained as a professional geologist with employment opportunities in mining, exploration, and research. Careers/fields of study: Careers in mining geology, exploration geology, engineering geology, economic geology, laboratory research, and academia.

Geochemistry

After completion of this learning programme up to honours level, you will be trained as a professional geologist/geochemist with job opportunities in mining, exploration, and research. Careers/fields of study: Careers in laboratory research, economic geology, mining geology, exploration geology, engineering geology, and academia.

Environmental Geology

After completion of this learning programme up to honours level, you will be qualified as a professional environmental geologist who is able to evaluate applicable problem areas and propose solutions.
Careers/fields of study: Careers in environmental management, laboratory research, economic geology, mining geology, exploration geology, engineering geology, and academia.

Geology and Chemistry

After completion of this learning programme up to honours level, you will be trained as a professional geologist with employment opportunities in mining, exploration, and research.
Careers/fields of study: Careers in mining geology, exploration geology, engineering geology, economic geology, laboratory research, and academia.

Geology and Geography

After completion of this learning programme up to honours level, you will be trained as a professional geologist with employment opportunities in mining, exploration, and research.
Careers/fields of study: Careers in mining geology, exploration geology, engineering geology, economic geology, laboratory research, and academia.

Geology and Physics

After completion of this learning programme up to honours level, you will be trained as a professional geologist with employment opportunities in mining, exploration, and research.
Careers/fields of study: Careers in mining geology, exploration geology, engineering geology, economic geology, laboratory research, and academia.

THE FOLLOWING PROGRAMMES ARE OFFERED ON THE BLOEMFONTEIN CAMPUS:

Programme Description		Minimum Admission Requirements					
Programme	APC	AP	LOI	MATHS	PS	NBT	Campus
BSc majoring in Geology and Chemistry	BC433521	30	4 (50%)	5 (60%)	5 (60%)	AL, QL, MT	BC
BSc majoring in Environmental Geology	BC433528	30	4 (50%)	5 (60%)	5 (60%)	AL, QL, MT	BC
BSc majoring in Geochemistry	BC433532	30	4 (50%)	5 (60%)	5 (60%)	AL, QL, MT	BC
BSc majoring in Geology and Geography	BC433533	30	4 (50%)	5 (60%)	5 (60%)	AL, QL, MT	BC
BSc majoring in Geology Specialisation	BC433535	30	4 (50%)	5 (60%)	5 (60%)	AL, QL, MT	BC
BSc majoring in Geology and Physics	BC433540	30	4 (50%)	5 (60%)	5 (60%)	AL, QL, MT	BC

- Admission to all programmes offered in Geology is subject to selection. We select only 80 students. You will be notified of the outcome as soon as the final matric results are available.
- Closing date for applications is 30 September 2018.

GEOGRAPHY

Duration of programme: Three years

Enquiries: Programme Director: Eldalize Kruger: +27 51 401 2185 | krugere@ufs.ac.za

The learning programmes in Geography and the Environmental Sciences are studies of the properties and processes in the earth and on the surface, and encompass a holistic study of the human environment and accompanying interactions and relationships. The programmes are aimed at students who are interested in various aspects of the environment and can lead to specialisation as environmentalists. Careers in these sciences are divergent, because all institutions that are involved with resource utilisation are legally obliged to examine the impact of their activities on the environment. The connection of geographical information and computer technology simplifies the storage, processing, modelling, and presentation of information and expedites decision-making.

THE FOLLOWING PROGRAMMES ARE PRESENTED ON THE BLOEMFONTEIN CAMPUS:

Programme Description		Minimum Admission Requirements						
Programme	APC	AP	LOI	MATHS	LS	PS	NBT	Campus
BSc majoring in Geography and Agrometeorology	BC433312	30	4 (50%)	5 (60%)	5 (60%)		AL, QL, MT	BC
BSc majoring in Geography and Environmental Science	BC433362	30	4 (50%)	5 (60%)	5 (60%)		AL, QL, MT	BC
BSc majoring in Geography and Geographical Information Systems	BC433369	30	4 (50%)	5 (60%)		4 (50%)	AL, QL, MT	BC
BSc majoring in Geography and Statistics	BC433346	30	4 (50%)	5 (60%)		4 (50%)	AL, QL, MT	BC

THE FOLLOWING PROGRAMMES ARE PRESENTED ON THE QWAQWA CAMPUS:

Programme Description		Minimum Admission Requirements						
Programme	APC	AP	LOI	MATHS	LS	PS	NBT	Campus
BSc majoring in Geography and Environmental Geography	QC433359	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc majoring in Geography and Life Sciences	QC433365	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc majoring in Geography and Tourism	QC433392	30	4 (50%)	5 (60%)	5 (60%)	4 (50%)	AL, QL, MT	QC

Geographic information systems / Geo-informatics:

Geo-informatics is the science and the technology that develops and uses information science infrastructure to address the problems of geography, geosciences, and related branches of engineering. Students can analyse data spatially with the aid of geographical information systems and provide links between environmental problems and their spatiality. These people typically become GIS specialists or spatial planners.

Careers/fields of study:

- GIS specialist or geo-informatics practitioner.

Geography and Agrometeorology / Soil Sciences:

Students with a degree in Geography and Agrometeorology / Soil Sciences will understand the interaction between humans and the environment, especially as it impacts on climate, geomorphology, soil, and agriculture. These people typically become geomorphologists, climate specialists or agricultural extension officers providing spatial information and advice in these fields.

Careers/fields of study:

- Environmental assessment practitioner, geomorphologist, climate specialist, agricultural extension officer.

Geography and Environmental Sciences:

Students with a degree in Geography and Environmental Sciences will not only understand the interaction between humans and the environment, but can also offer solutions for environmental problems which humans have to deal with in the physical, as well as the cultural milieu. These people typically become environmental assessment practitioners or environmental consultants.

Careers/fields of study:

- Environmental assessment practitioner, environmental consultant, environmental manager, environmental officer, spatial planner.

Geography and Statistics:

Students with a degree in Geography and Statistics understand the complex issue of visualising and manipulating huge data sources. Students can analyse data spatially with the aid of geographical information systems and provide links between environmental problems and their spatiality. These people typically become GIS specialists or spatial planners.

Careers/fields of study:

- GIS specialist, GIS planner, geographic data analyst, spatial planner.

Geography and Environmental Geography (Qwaqwa Campus):

Students with a degree in Geography and Environmental Sciences will not only understand the interaction between humans and the environment, but can also offer solutions for environmental problems which humans have to deal with in the physical, as well as the cultural milieu. These people typically become environmental assessment practitioners or environmental consultants.

Careers/fields of study:

- Environmental assessment practitioner, environmental consultant, environmental manager, environmental officer, spatial planner.

Geography and Life Sciences (Qwaqwa Campus):

Students with a degree in Geography and Life Sciences will understand the functional interactions and balance between the abiotic and biotic environment. In an economy where limited resource management and conservation goes hand in hand, the knowledge and understanding of these factors are very important for the sustainability of our natural resources.

Careers/fields of study:

- Researchers in the fields of GIS, ecology (general and restoration), climate change, and conservation management, as well as any associated careers within these research fields.

Geography and Tourism (Qwaqwa Campus):

Students with a degree in Geography and Tourism will have an understanding of tourism studies in the context of theory, as well as a practical understanding of the nature of tourism and its importance in terms of development and sustainability.

Tourism issues are often an interaction of multidisciplinary concepts, and therefore require wide-ranging analytical thinking skills. Students with a degree in Geography and Tourism will have critical thinking skills required for solving the ongoing creation of socio-economic and environmental tourism-related challenges.

Careers/fields of study:

- Tourism management and practice, transdisciplinary studies, tourism development practitioners, tourism development consultants.

LEARNING PROGRAMMES IN COMPUTER SCIENCE AND INFORMATICS: BSc (IT)

Duration of programme: Three years

Enquiries: Programme Director: Mr Jaco Marais: +27 51 401 2929/2754 | maraisj@ufs.ac.za

THE FOLLOWING PROGRAMMES ARE PRESENTED ON THE BLOEMFONTEIN CAMPUS:

Bachelor of Science in Information Technology [BSc (Information Technology)]

Programme Description		Minimum Admission Requirements					
Programme	**APC**	**AP**	**LOI**	**MATHS**	**PS**	**NBT**	**Campus**
BSc (Information Technology) majoring in Computer Science and Chemistry	BC432221	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc (Information Technology) majoring in Computer Science and Physics	BC432240	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	BC
BSc (Information Technology) majoring in Computer Science and Mathematics	BC432238	30	4 (50%)	6 (70%)	4 (50%)	AL, QL, MT	BC
BSc (Information Technology) majoring in Computer Science and Mathematical Statistics	BC432237	30	4 (50%)	6 (70%)		AL, QL, MT	BC
BSc (Information Technology) majoring in Computer Science and Business Management	BC432255	30	4 (50%)	4 (50%)		AL, QL, MT	BC

Bachelor of Computer Information Systems [BCompInfoSys]

Programme Description		Minimum Admission Requirements				
Programme	APC	AP	LOI	MATHS	NBT	Campus
Bachelor of Computer Information Systems (BCompInfoSys)	BC430156	30	4 (50%)	4 (50%)	AL, QL, MT	BC

THE FOLLOWING PROGRAMMES ARE PRESENTED ON THE QWAQWA CAMPUS:

Bachelor of Science in Information Technology [BSc (Information Technology)]

Enquiries: Programme Director: Mr Teboho Lesesa: +27 58 718 5235/5121 | lesesat@ufs.ac.za

Programme Description		Minimum Admission Requirements					
Programme	APC	AP	LOI	MATHS	PS	NBT	Campus
BSc (Information Technology) majoring in Computer Science and Chemistry	QC432221	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc (Information Technology) majoring in Computer Science and Physics	QC432240	30	4 (50%)	5 (60%)	4 (50%)	AL, QL, MT	QC
BSc (Information Technology) majoring in Computer Science and Management	QC432202	30	4 (50%)	4 (50%)		AL, QL, MT	QC

Learning programmes in COMPUTER SCIENCE AND INFORMATICS offer FIVE main fields:

- Computer Science with Chemistry
- Computer Science with Mathematical Statistics
- Computer Science with Mathematics
- Computer Science with Physics
- Computer Science in Business and Management

BUILDING SCIENCES

THE FOLLOWING PROGRAMMES ARE PRESENTED ONLY ON THE BLOEMFONTEIN CAMPUS:

Learning Programme In Architecture

Duration of programme: Three years

Enquiries: Programme Director: Mr Jako Olivier: +27 51 401 2332 | olivierj@ufs.ac.za

Applications for admission to the BArch programme, on the prescribed application form, must reach the Registrar, Academic Student Services, University of the Free State, Bloemfontein, before or on 31 May of the year before intended admission. A selection procedure takes place before admission (consult www.ufs.ac.za/architecture; 'Academic Information'). Students will be notified of the outcome of the selection process no later than the end of November.

The Bachelor of Architecture involves full-time education that extends over six semesters and involves lectures, projects, and continuous evaluation.
The purpose of this programme is to educate candidates who may register with the South African Council for the Architectural Profession in the appropriate category for which they qualify, in terms of the provisions of the Architectural Profession Act 44 of 2000. The degree BArch provides access to the BArchHons degree.

Students are strongly advised to work in an architect's office or other similar approved institution during holidays, in order to gain practical experience.

The evaluations and examinations for the degree BArch are recognised by the minister concerned, in terms of the provisions of the Architectural Profession Act (Act 44 of 2000). Training experience after completion of the BArch degree will be controlled by the conditions of the South African Council for the Architectural Profession. The registrar of this council will provide information in this regard.

Selection:

All the selection processes and creative exercise information is available on the departmental website: www.ufs.ac.za/architecture; see 'Academic Information'.

- A selection process takes place before admission. Applicants have to pass a preliminary selection process. Applicants who passed the preliminary selection will be invited to a selection interview at which a portfolio of creative work has to be presented.
- If you pass the preliminary selection, you will be invited to a selection interview where you must show us a portfolio of creative work.
- Qualifying applicants must write aptitude and NBT tests and submit the results to the department before the selection interview.
- We will notify you of the selection outcome no later than 30 November 2018.
- Closing date for applications and the submission of your creative exercises is 31 July 2018.
- A maximum of 55 students are admitted.

Careers/fields of study:

- Draughtsman, architectural technologist, architectural assistant, preparation for architect profession, urban and regional planner, landscape architect, interior designer.

Programme Description		Minimum Admission Requirements				
Programme	APC	AP	LOI	MATHS	NBT	Campus
Bachelor of Architecture - BArch	BC430156	30	4 (50%)	4 (50%)	AL, QL, MT	BC

Learning Programme In Quantity Surveying And Construction Management

Duration of programme: Three years

Enquiries:
- Quantity Surveying and Construction Management (Residential):
  Ms Tascha Bremer: +27 51 401 2996 | bremert@ufs.ac.za
- Quantity Surveying and Construction Management (Compact Learning):
  Ms Esti Jacobs: +27 51 401 3394 | jacobse1@ufs.ac.za

Applications for admission to the degree programme should be sent on the prescribed form to: The Director, Student Administration, before or on 31 July of the year prior to the intended admission. You will be informed of the outcome.

Learning programmes in the BUILDING SCIENCES offer the following options:

- **BSc Construction Management (Residential and Compact Learning)**
  - Careers/fields of study: Construction business management, production of real estate, operations management, and building management.
- **BSc Quantity Surveying (Residential and Compact Learning)**
  - Careers/fields of study: Professional practising of quantity surveying, construction surveying, cost project management, property development and management.

All learning programmes are SELECTION PROGRAMMES

Programme Description		Minimum Admission Requirements				
Programme	APC	AP	LOI	MATHS	NBT	Campus
BSc (Construction Management) (Residential)	BC432400	32	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Quantity Surveying) (Residential)	BC434300	32	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Construction Management) (Compact Learning)	BC432401	32	4 (50%)	5 (60%)	AL, QL, MT	BC
BSc (Quantity Surveying) (Compact Learning)	BC434301	32	4 (50%)	5 (60%)	AL, QL, MT	BC

To be admitted to the programmes offered via Compact Learning, you have to be at least 25 years old and employed full time.

- Economics, Business Studies, Accounting or Physical Sciences on level 4 (50%) is recommended.
- Closing date for applications in Construction Management and Quantity Surveying is 31 July 2018.

All information in this publication is subject to change without prior notification. Information in this publication has been compiled with the utmost care. However, the Council and Senate accept no responsibility for errors. Studying the Faculty Rulebook as the final and correct source is important and is available at www.ufs.ac.za.

This publication was compiled and produced by the Department of Marketing and Student Recruitment at the University of the Free State.

Wekkie Saayman Building
Corner of Rector and Graduandi Avenues
University of the Free State
Bloemfontein
9301

Kovsie 2B

T: 051 401 3000 | E: ufsmarketing@ufs.co.za | **www.ufs.ac.za**

UFSUV | UFSweb | UFSweb

Inspiring excellence. Transforming lives.
Inspireer uitnemendheid. Verander lewens.

UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA

UFS
UV

Bloemfontein Campus
12 May 2018

Qwaqwa Campus
26 May 2018

ECONOMIC AND MANAGEMENT SCIENCES
EKONOMIESE EN BESTUURSWETENSKAPPE
UFS·UV

EDUCATION
OPVOEDKUNDE
UFS·UV

HEALTH SCIENCES
GESONDHEIDSWETENSKAPPE
UFS·UV

HUMANITIES
GEESTESWETENSKAPPE
UFS·UV

LAW
REGSGELEERDHEID
UFS·UV

NATURAL AND AGRICULTURAL SCIENCES
NATUUR- EN LANDBOUWETENSKAPPE
UFS·UV

THEOLOGY AND RELIGION
TEOLOGIE EN RELIGIE
UFS·UV

T: +27 51 401 3000 | E: ufsmarketing@ufs.ac.za | www.ufs.ac.za
UFSUV | UFSweb | UFSweb

Inspireer uitnemendheid. Verander lewens.
Inspiring excellence. Transforming lives.

UNIVERSITY OF THE FREE STATE
UNIVERSITEIT VAN DIE VRYSTAAT
YUNIVESITHI YA FREISTATA
UFS UV