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.

The faculty has 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 and Architecture.

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.
APPLICATION AND ADMISSION TO STUDY AT THE UFS

Remember to write the NBTs before the end of 2019.

HOW DO YOU APPLY?

ONLINE APPLICATION: Go to www.ufs.ac.za. Follow the link https://apply.ufs.ac.za/ – online application. Proceed through all the 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, contact +27 51 401 9666 or studentadmin@ufs.ac.za

Application to study at the UFS is FREE

You can apply either online or in hard copy.

IMPORTANT DATES

PROGRAMMES FOR WHICH APPLICATIONS OPEN
1 April 2019 - Applications to study any undergraduate programme offered on the Bloemfontein and Qwaqwa Campuses in 2020
1 September 2019 - Applications to study any University Access Programme (UAP) offered on the South Campus in 2020

PROGRAMMES FOR WHICH APPLICATIONS CLOSE
31 July 2019 - Architecture | Quantity Surveying | Construction Management
31 August 2019 - International undergraduate applications
30 September 2019 - Geology | Forensic Sciences | All non-selection programmes
30 November 2019 - All University Access Programmes on the South Campus

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.

ADMISSION
Academic excellence is what the UFS is about – the higher your AP score, the better your chances of being chosen and finally admitted to study. Meeting the minimum admission requirements for your chosen/intended programme of study, does not guarantee selection and admission as all programmes have a limited number of spaces available. Applicants with the highest AP scores are chosen first and the admission continues until all spaces have been filled. If you do not meet the minimum admission requirements for your intended/chosen programme of study, you will not be selected. Consult the Faculty-specific admission requirements for all the programmes you qualify for and apply for the two programmes that best fit your personality, purpose and passion. Due to limited spaces available, it is advised that prospective students maintain an AP score of at least 32 (besides other admission requirements) to be able to gain entrance into non-selection programmes. Students need to pass modules in the first semester of study according to the faculty rules and regulations in order to be able to continue with studies in the second semester.
Admission to study at the UFS is furthermore 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 2020.
- The UFS reserves the right to change the minimum requirements of each programme without notifying you.
- A minimum admission point (AP) of 30 is required, unless stated otherwise.
- Language of instruction on level 4 (50%).
- A minimum performance level of 5 (60%) in Mathematics. Depending on the programme you are interested in, a higher performance level in Mathematics will be required.
- As from 2020, all programmes that require a level 4 (50%) for Physical Sciences will be changed to level 5 (60%).
- Both Life Sciences 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.

Note: 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.

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

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

In this programme, we offer the following qualifications: 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 051 401 2934.

UNIVERSITY ACCESS PROGRAMMES

DURATION OF STUDIES: FOUR YEARS

Enquiries: UAP and Extended Curriculum Programmes: Elzmarie Oosthuizen: +27 51 401 2934 | oosthuizenem@ufs.ac.za or Elrich Jacobs: +27 51 401 3726 | jacobses@ufs.ac.za

The following programmes are presented on the South Campus:

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.

THE FOLLOWING UPP IN AGRICULTURE ARE PRESENTED ON THE SOUTH CAMPUS:

<table>
<thead>
<tr>
<th>Programme Description</th>
<th>Minimum Admission Requirements</th>
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<td>UAP in Agricultural Sciences for BAgric*</td>
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*For the UAP in Agricultural Sciences for BAgric, either Mathematics or Mathematical Literacy will be accepted. However, if you have Mathematical Literacy, your AP score must be 24 or higher. This programme gives you access to the BAgric Extended Curriculum Programme, which is a four-year programme.

BAgric Extended Curriculum Programme | BCS3000E1 | 22 | 4 (50%) | 2 (30%) | 5 (60%) | N/A | SC |

For the BAgric Extended Curriculum Programme, either Mathematics, Mathematical Literacy or Technical Mathematics will be accepted. However, if you have Mathematical Literacy/Technical Mathematics, your AP score must be 24 or higher. Technical Mathematics need to be on level 3 (40%). The BAgric Extended Curriculum Programme is a four-year programme.

Note: You will attend the first year of study on the South Campus and proceed in the second year to the Bloemfontein Campus, IF you meet the required performance levels as set out in the faculty regulations. It is important to consult the Faculty Yearbook.

BAgric DEGREES

DURATION OF STUDIES: THREE YEARS

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.

THE FOLLOWING PROGRAMMES IN AGRICULTURE ARE PRESENTED ON THE BLOEMFONTEIN CAMPUS:

Due to limited spaces available, it is advised that prospective students maintain an AP score of at least 32 (besides other admission requirements) to be able to gain entrance into non-selection programmes. Students need to pass modules in the first semester of study according to the faculty rules and regulations in order to be able to continue with studies in the second semester.

Enquiries: All Agricultural programmes.

Soil, Crop and Climate Sciences: Dr Elmarie van der Watt: +27 51 401 2713 | vdwatte@ufs.ac.za
Animal, Wildlife and Grassland Sciences: Dr Mike Fair: +27 51 401 9056 | fairmd@ufs.ac.za
Agricultural Economics: Dr Janus Henning: +27 51 401 9713 | henningjif@ufs.ac.za
Agricultural Extension: Dr Johan van Niekerk: +27 51 401 3765 | vniekerkja@ufs.ac.za
Food Sciences: Prof Koos Albertyn: +27 51 401 2223 | albertynj@ufs.ac.za or Dr Frans O’ Neill: +27 51 401 7553 | oneillfh@ufs.ac.za
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 Science, 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.

**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.

**BSc (AGRICULTURE) DEGREES:**

**DURATION OF STUDIES: FOUR YEARS, UNLESS INDICATED OTHERWISE**

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 BScAgri 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:** Enomologist · 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

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 Agricultural Economics until third-year level.
BSc (AGRICULTURE)

VERY IMPORTANT: TWO of either Life Sciences / Agricultural Sciences / Physical Sciences WITH Mathematics, are required for all BSc Agricultural programmes, excluding only BSc Agricultural Economics.

<table>
<thead>
<tr>
<th>PROGRAMME DESCRIPTION</th>
<th>MINIMUM ADMISSION REQUIREMENTS</th>
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<tbody>
<tr>
<td>Programme</td>
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<tr>
<td>BSc (Agriculture) majoring in Agrometeorology with Plant Pathology</td>
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<td>5</td>
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</tbody>
</table>

**Very important:** TWO of either Life Sciences / Agricultural Sciences / Physical Sciences WITH Mathematics, are required for all BSc Agricultural programmes, excluding only BSc Agricultural Economics.

**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.
- Due to limited spaces available, it is advised that prospective students maintain an AP score of at least 32 (besides other admission requirements) to be able to gain entrance into non-selection BSc programmes.
- Students need to pass modules in the first semester of study according to the faculty rules and regulations in order to be able to continue with studies in the second semester.

In this programme, we offer the following undergraduate qualifications:

- **BACHELOR DEGREES IN:** Agriculture; Consumer Sciences (General and Food); Computer Information Systems.

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. The 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 this, please contact the programme director on +27 51 401 2934.

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**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 (Bfn) | bothmapj@ufs.ac.za
- Elzmarie Oosthuizen: +27 51 401 2934 (Bfn) | oosthuizenem@ufs.ac.za
- Elrich Jacobs: +27 51 401 3726 (Bfn) | jacobses@ufs.ac.za

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**Enquiries – The following University Access Programme (Natural Sciences) is offered:**
- Pieter Bothma: +27 51 505 1381 (Bfn) | bothmapj@ufs.ac.za
- Elzmarie Oosthuizen: +27 51 401 2934 (Bfn) | oosthuizenem@ufs.ac.za
- Elrich Jacobs: +27 51 401 3726 (Bfn) | jacobses@ufs.ac.za

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**Enquiries:**
- Pieter Bothma: +27 51 505 1381 (Bfn) | bothmapj@ufs.ac.za
- Elzmarie Oosthuizen: +27 51 401 2934 (Bfn) | oosthuizenem@ufs.ac.za
- Elrich Jacobs: +27 51 401 3726 (Bfn) | jacobses@ufs.ac.za

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The following BSc Extended Curriculum Programmes are presented on the Qwaqwa Campus:

**Enquiries:** Lea Koenig: +27 58 718 5207 | koenigl@ufs.ac.za
Learning programmes in the **BIOLOGICAL SCIENCES 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, Botany, 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:

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**Programme Description** | **Minimum Admission Requirements**
---|---
BSc Extended Curriculum Programme majoring in Mathematics and Chemistry | QC4300E1 22 3 (40%) 3 (40%) 3 (40%) N/A QC

Either Life Sciences or Physical Sciences WITH Mathematics are required. Technical Mathematics on level 4 (50%) and Technical Sciences on level 4 (50%) will also be accepted.

BSc Extended Curriculum Programme majoring in Biology and Geography | QC4300E2 22 3 (40%) 3 (40%) 3 (40%) N/A QC

Either Life Sciences or Physical Sciences WITH Mathematics are required. Technical Mathematics on level 4 (50%) and Technical Sciences on level 4 (50%) will also be accepted.

BSc Extended Curriculum Programme majoring in Computer Sciences | QC4301E1 22 4 (50%) N/A 3 (40%) N/A QC

Either Life Sciences or Physical Sciences WITH Mathematics are required. Technical Mathematics on level 4 (50%) and Technical Sciences on level 4 (50%) will also be accepted.

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**Note:** 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.

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**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 | jyrensc@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, Botany, Microbiology and Genetics, Microbiology and Botany, Microbiology and Entomology, Microbiology and Zoology, or Microbiology and Food Science.
The following programmes in Biological Sciences are presented on the Qwaqwa Campus:

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

<table>
<thead>
<tr>
<th>Programme Description</th>
<th>MINIMUM ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programme</td>
<td>APC</td>
</tr>
<tr>
<td>BSc majoring in Plant Health Ecology</td>
<td>BC432182</td>
</tr>
<tr>
<td>BSc majoring in Entomology and Genetics</td>
<td>BC432731</td>
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<tr>
<td>BSc majoring in Entomology and Microbiology</td>
<td>BC432739</td>
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<tr>
<td>BSc majoring in Entomology and Zoology</td>
<td>BC432749</td>
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<tr>
<td>BSc majoring in Behavioural Genetics</td>
<td>BC433118</td>
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<tr>
<td>BSc majoring in Genetics and Microbiology</td>
<td>BC433139</td>
</tr>
<tr>
<td>BSc majoring in Genetics and Physiology</td>
<td>BC433180</td>
</tr>
<tr>
<td>BSc majoring in Genetics and Zoology</td>
<td>BC433149</td>
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<tr>
<td>BSc majoring in Microbiology and Food Sciences</td>
<td>BC433929</td>
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<tr>
<td>BSc majoring in Microbiology and Statistics</td>
<td>BC433946</td>
</tr>
<tr>
<td>BSc majoring in Microbiology and Zoology</td>
<td>BC433949</td>
</tr>
<tr>
<td>BSc majoring in Rangeland and Wildlife Ecology</td>
<td>BC433689</td>
</tr>
</tbody>
</table>

**Note:** Students intending to register for Chemistry as a major, must take note that only a limited number of students are admitted, based on academic excellence.

**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 STUDY: 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 STUDY: 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.

### Programmes in Chemical and Physical Sciences

**Duration of study:** Three years

<table>
<thead>
<tr>
<th>Programme Description</th>
<th>Minimum Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Programme</strong></td>
<td><strong>AP</strong></td>
</tr>
<tr>
<td>BSc majoring in Forensic Sciences</td>
<td>BC433031</td>
</tr>
</tbody>
</table>

Admission to BSc majoring in Forensic Sciences is subject to selection. A minimum AP of 34 is required, with a cumulative AP score of at least 7 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 2019.

**Learning Programmes in Chemical and Physical Sciences**

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

**Notes:**
- 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 study: 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 an 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, and even the banking industry.

**PROGRAMME DESCRIPTION MINIMUM ADMISSION REQUIREMENTS**

<table>
<thead>
<tr>
<th>Programme</th>
<th>APC</th>
<th>AP</th>
<th>LOI</th>
<th>MATHS</th>
<th>PS</th>
<th>NBT</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc majoring in Physics and Astrophysics</td>
<td>BCA43017</td>
<td>32</td>
<td>4 (50%)</td>
<td>6 (70%)</td>
<td>5 (60%)</td>
<td>AL, QL, MT</td>
<td>BC</td>
</tr>
</tbody>
</table>

**Physics with Engineering subjects:**
Duration of study: three years

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

This is a great option, 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:** Engineering assistant or construction site manager or the Physics option: this will enable graduates to 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**

<table>
<thead>
<tr>
<th>Programme</th>
<th>APC</th>
<th>AP</th>
<th>LOI</th>
<th>MATHS</th>
<th>PS</th>
<th>NBT</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc majoring in Physics and Engineering Subjects</td>
<td>BCA43026</td>
<td>34</td>
<td>4 (50%)</td>
<td>6 (70%)</td>
<td>7 (80%)</td>
<td>AL, QL, MT</td>
<td>BC</td>
</tr>
</tbody>
</table>

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 study: 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.

**PROGRAMME DESCRIPTION MINIMUM ADMISSION REQUIREMENTS**

<table>
<thead>
<tr>
<th>Programme</th>
<th>APC</th>
<th>AP</th>
<th>LOI</th>
<th>MATHS</th>
<th>LS</th>
<th>PS</th>
<th>NBT</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc majoring in Physics and Agrometeorology</td>
<td>BCA43012</td>
<td>32</td>
<td>4 (50%)</td>
<td>5 (60%)</td>
<td>5 (60%)</td>
<td>5 (60%)</td>
<td>AL, QL, MT</td>
<td>BC</td>
</tr>
</tbody>
</table>
Careers/fields of study: Careers in industry, e.g. food and beverage, brewing, mining, water purification, pharmaceuticals, agriculture, forestry, pollution.

<table>
<thead>
<tr>
<th>PROGRAMME DESCRIPTION</th>
<th>MINIMUM ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programme</td>
<td>APC</td>
</tr>
<tr>
<td>BSc majoring in Chemistry and Physics</td>
<td>QC432140</td>
</tr>
<tr>
<td>BSc majoring in Chemistry and Botany</td>
<td>QC432120</td>
</tr>
</tbody>
</table>

Learning Programmes in Consumer Science

DURATION OF STUDY: FOUR YEARS

Enquiries: Dr Ismari van der Merwe: +27 51 401 2598 | ivnmerwe@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:
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:

<table>
<thead>
<tr>
<th>PROGRAMME DESCRIPTION</th>
<th>MINIMUM ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programme</td>
<td>APC</td>
</tr>
<tr>
<td>BSc majoring in Geology and Chemistry</td>
<td>BC433521</td>
</tr>
<tr>
<td>BSc majoring in Environmental Geology</td>
<td>BC433528</td>
</tr>
<tr>
<td>BSc majoring in Geochemistry</td>
<td>BC433532</td>
</tr>
<tr>
<td>BSc majoring in Geology and Geography</td>
<td>BC433533</td>
</tr>
<tr>
<td>BSc majoring in Geology Specialisation</td>
<td>BC433535</td>
</tr>
<tr>
<td>BSc majoring in Geology and Physics</td>
<td>BC433540</td>
</tr>
</tbody>
</table>

Notes: The selection is based on academic performance. 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 we receive your final matric results.

Closing date for applications is 30 September 2019.

B. GEOGRAPHY
DURATION OF STUDY: 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.

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.

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 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 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 GIS specialists or spatial planners.

**Careers/fields of study**: GIS specialist, GIS planner, geographic data analyst, spatial planner.

**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.

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**LEARNING PROGRAMMES IN MATHEMATICAL SCIENCES**

**DURATION OF STUDY: THREE YEARS**

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

Note: 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 prior notification.

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

Duration of study: three years

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 AND MINIMUM ADMISSION REQUIREMENTS

<table>
<thead>
<tr>
<th>Programme Description</th>
<th>Minimum Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Year</td>
<td>APC</td>
</tr>
<tr>
<td>BSc majoring in Mathematics and Chemistry</td>
<td>BC433821</td>
</tr>
<tr>
<td>BSc majoring in Mathematics and Mathematical Statistics</td>
<td>BC433837</td>
</tr>
<tr>
<td>BSc majoring in Mathematics and Applied Mathematics</td>
<td>BC433816</td>
</tr>
<tr>
<td>BSc majoring in Mathematics and Physics</td>
<td>BC433840</td>
</tr>
<tr>
<td>BSc majoring in Mathematics and Finances</td>
<td>BC433864</td>
</tr>
<tr>
<td>BSc majoring in Mathematical Statistics and Psychometrics</td>
<td>BC433786</td>
</tr>
<tr>
<td>BSc majoring in Econometrics</td>
<td>BC433758</td>
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<tr>
<td>BSc majoring in Investment Sciences</td>
<td>BC433701</td>
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<tr>
<td>BSc majoring in Climate Sciences</td>
<td>BC433712</td>
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<tr>
<td>BSc majoring in Statistics and Accounting</td>
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<td>BSc majoring in Statistics and Economics</td>
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<tr>
<td>BSc majoring in Statistics and Psychology</td>
<td>BC434686</td>
</tr>
<tr>
<td>BSc majoring in Actuarial Science</td>
<td>BC431000</td>
</tr>
</tbody>
</table>

Notes: 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 5 (60%) is required.

### 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)]

<table>
<thead>
<tr>
<th>PROGRAMME DESCRIPTION</th>
<th>MINIMUM ADMISSION REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>Programme</td>
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</tr>
<tr>
<td>BSc (Information Technology) majoring in Computer Science and Chemistry</td>
<td>BC432221</td>
</tr>
<tr>
<td>BSc (Information Technology) majoring in Computer Science and Physics</td>
<td>BC432240</td>
</tr>
<tr>
<td>BSc (Information Technology) majoring in Computer Science and Mathematics</td>
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</tr>
<tr>
<td>BSc (Information Technology) majoring in Computer Science and Mathematical Statistics</td>
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<td>BSc (Information Technology) majoring in Data Science</td>
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</tr>
<tr>
<td>BSc (Information Technology) majoring in Computer Science and Business Management</td>
<td>BC432255</td>
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</table>

Notes: A higher level in Mathematics may be required in order to register for certain Mathematics modules. If Chemistry or Physics is the second major, Physical Sciences on level 5 (60%) is required.

BACHELOR OF COMPUTER INFORMATION SYSTEMS [BCompInfoSys]

<table>
<thead>
<tr>
<th>PROGRAMME DESCRIPTION</th>
<th>MINIMUM ADMISSION REQUIREMENTS</th>
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<td>Programme</td>
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<tr>
<td>Bachelor of Computer Information Systems (BCompInfoSys)</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PROGRAMME DESCRIPTION</th>
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<tbody>
<tr>
<td>Programme</td>
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<tr>
<td>BSc (Information Technology) majoring in Computer Science and Chemistry</td>
<td>QC432221</td>
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</table>

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

Students need to pass modules in the first semester of study according to the faculty rules and regulations in order to be able to continue with studies in the second semester.

The following programmes are presented only on the Bloemfontein Campus:

BACHELOR OF ARCHITECTURE (BArch):
Duration of study: Three years

Enquiries: Programme Director: Kobus du Preez: +27 51 401 2332 | dpreezjl@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 procedure:**
- All the selection process and creative exercise information is available on the departmental website: www.ufs.ac.za/architecture; see ‘Academic Information’.
- You must pass a preliminary selection process. You must start with the creative exercise before 31 May and submit it before or on 31 July 2019.
- If you pass the preliminary selection, you will be invited to a selection interview where you must show us a portfolio of creative work.
- We will notify you of the selection outcome no later than 30 November 2019.

**LEARNING PROGRAMME IN QUANTITY SURVEYING AND CONSTRUCTION MANAGEMENT**

**DURATION OF STUDY: THREE YEARS**

Enquiries:
Quantity Surveying and Construction Management: Ms Tascha Bremer: +27 51 401 2996 | bremert@ufs.ac.za
Quantity Surveying and Construction Management (Block 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**
- **Careers/fields of study**: Construction business management, production of real estate, operations management, and building management.
- **BSc Quantity Surveying**
- **Careers/fields of study**: Professional practising of quantity surveying, construction surveying, cost project management, property development and management.

**PROGRAMME DESCRIPTION**

<table>
<thead>
<tr>
<th>Programme Description</th>
<th>Programme</th>
<th>APC</th>
<th>AP</th>
<th>LOI</th>
<th>MATHS</th>
<th>Selection</th>
<th>NBT</th>
<th>Campus</th>
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<tr>
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<td>4 (50%)</td>
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</tbody>
</table>

**Notes:**
- Closing date for applications and the submission of your creative exercises is 31 July 2019.
- Economics, Business Studies, Accounting or Physical Sciences on level 4 (50%) is required.
- Closing date for applications in Construction Management and Quantity Surveying is 31 July 2019.
- Students who want to apply for the Block Learning options, also need to:
  - Be at least 23 years of age, and
  - Supply proof of full time employment in the construction industry.

All information in this publication is subject to change. Information in this publication has been compiled with the utmost care. However, the Council and Senate accept no responsibility for errors. For the modules and module codes of all programmes listed above, study the Faculty Rulebook at http://apps.ufs.ac.za/dl/yearbooks/309_yearbook_eng.pdf. The Faculty Rulebook is the final and correct source.
VISIT THE FACULTIES AND EXHIBITIONS DIRECTLY FROM 09:00-15:00.
MORE INFORMATION AVAILABLE WWW.UFS.AC.ZA

11 MAY 2019
BLOEMFONTEIN CAMPUS

4 MAY 2019
QWAQWA CAMPUS

UNIVERSITY OF THE FREE STATE

T: +27 51 401 3000  |  E: info@ufs.ac.za   |  www.ufs.ac.za

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