Career Information

Bachelor of Applied Science in Food Science and Technology

Location
Steve Biko Campus (S9, Level 1)

Description of the Programme

The purpose of the programme is to focus on generation of knowledge and expertise in the emerging areas of science and technology by developing state-of-the-art knowledge and skills to produce quality manpower needed within the field of food science for societal and industrial benefit. The Food Science and Technology program is driven by the development of theoretical knowledge base as well as the business needs of the food industry. It involves a flexible model where the course content would continuously evolve with the rapid changes occurring within the field of Food Science without compromising on the basis tools in the area.

In South Africa, the second largest industry is the food and beverage industry. The industry is highly diversified and embraces sectors such as dairy, meat, fish, poultry, cereals, confectionery, canned and frozen products and a vast number of fast moving consumer goods.

Some food technologists travel extensively to inspect factories and work hard, possess leadership ability and are willing to study further. Some are possible, provided food industry professionals are prepared to take responsibility and make management.

Purpose of Programme

The programme will focus on generation of knowledge and expertise in the emerging areas of science and technology to produce quality manpower needed within the field of food science for societal and industrial benefit.

Personal Qualities Required

- Work hard
- Possess leadership ability
- Willing to study further
- Take responsibility
- Make management

Entry Requirements

- 2 Fundamental subjects and English and Maths at level 4 (60%) and one other subject at 60%.
- 2 compulsory vocational subjects, Physical Science (or equivalent), Life Sciences (or equivalent) at 70% and one other subject at 70%.

OR

NCV Entry Requirements:

- 2 Fundamental subjects and English and Maths at level 4 (60%)
- And 2 compulsory vocational subjects, Physical Science (or equivalent), Life Sciences (or equivalent) at 70% and one other subject at 70%.

Admission Requirement based upon Work Experience, Age and Maturity

For admission to entry level degree studies:

A person may, subject to such requirements as the Senate may determine, be admitted if such a person is in possession of a National Senior Certificate, Senior Certificate or an equivalent certificate, but lacks the minimum requirements for admission to the degree provided that:

(a) The person shall have reached the age of 23 in the first year of registration and shall have at least:
   - three years’ appropriate work experience; and/or
   - capacity for the proposed instructional programme, which shall be assessed by a Senate-approved admission assessment comprising of a DUT Standardised Assessment Test for Access and Placement (SATAP), Academic Literacies (AL) & English for Academic Purposes (EAP) (2.5 hours) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and the person has obtained

(b) A conditional certificate of exemption from the Matriculation Board (when in possession of the Senior Certificate (SC)) OR has met

(c) The requirements for Senate discretionary admission (when in possession of the NSC or equivalent), where Senate is satisfied the applicant has shown sufficient academic ability to ensure success, and that the person’s standard of communication skills, and/or work experience are such that the person, in the opinion of the Senate, should be able to complete the proposed instructional programme successfully.

(d) The person’s application for admission in terms of work experience, age and maturity is approved prior to registration.

Applicants intending to gain admission through work experience, age and maturity must submit their applications at least four months before commencement of the academic year inclusive of the date of scheduling writing a requisite eligibility assessment.

Tuition Fees

To assist you with your planning, the 2019 fees have been indicated. PLEASE NOTE: DUT cannot be held liable for the fees in this brochure as the 2020 fees are not yet final.

NB: For semester programmes there would be a single registration for semester 1 and semester 2 at the beginning of each academic year.

First Year Curriculum

<table>
<thead>
<tr>
<th>Semester One</th>
<th>2019 Fees</th>
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<tbody>
<tr>
<td>Chemistry 1</td>
<td>R4 220</td>
</tr>
<tr>
<td>Biology 1</td>
<td>R4 220</td>
</tr>
<tr>
<td>Mathematics</td>
<td>R2 950</td>
</tr>
<tr>
<td>Cornerstone 101</td>
<td>R2 950</td>
</tr>
<tr>
<td>Institutional General Education Elective I (IGE I)</td>
<td>R1 710</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>R16 050</strong></td>
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</tbody>
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Semester Two
Bacteriology 2 R4 220
Biochemistry 2 R4 220
Physics R2 950
Mycology 2 R2 950
Total R14 340

Second Year Curriculum
Semester Three
Food Science and Technology 1 R2 950
Food Chemistry 2 R2 950
Food Microbiology 3 R4 220
Food Quality Management R2 110
Human Nutrition R2 110
Total R14 340

Semester Four
Food Science and Technology 2 R4 220
Molecular Biology 3 R4 220
Food Legislation R2 110
Food Process Engineering R2 110
Faculty General Education Elective (FGE 2) R2 730
Institutional General Education Elective 2 (IGE 2) R1 710
Total R17 100

Third Year Curriculum
Semester Five
Food Science and Technology 3 R4 220
Research Project 1 R2 110
Food Chemistry 3 R4 220
Food Product Development R3 160
Food and Beverage Packaging R3 160
Institutional General Education Elective 3 (IGE 3) R1 710
Total R18 580

Semester Six
Research Project 2 R4 220
Industry Management R2 110
Food Safety and Toxicology R2 950
Food Biotechnology R2 950
Faculty General Education Elective (FGE 3) R2 730
Total R14 960

FOR FURTHER INFORMATION
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APPLICATION FORMS
Contact the Central Applications Office (C.A.O.)
CAO Code: DU-D-BFS
Address letters to:
Central Applications Office
Private Bag X06
Dalbridg
4014
Tel: (031) 2684444
Fax: (031) 2684422
Apply online: http://www.cao.ac.za

Closing Date for applications: 30 September 2019

Financial Aid
For Financial Aid application for a DUT programme please apply online at www.nsfas.org.za or call the NSFAS call centre on 0860 067 327.
For an explanation on how to fill out the application form, please go to www.nsfas.org.za or contact the call centre on the number above.
Please note that completing a form does not guarantee Financial Aid. For further assistance, please consult the Department of Financial Aid and Scholarships on (031)373 2931/2557/2054.

This leaflet is for information purposes only and is not binding on the Durban University of Technology