

# Bachelor of Health Sciences in Environmental Health

NQF 8

SAQA ID: 94797

**Location:** Ritson Campus (Block H: First Floor)

## Description of the Programme

Environmental Health Practitioners (EHPs) are health professionals who derive their expertise from a comprehensive knowledge of the physical, biological and social sciences. These sciences allow them to perform as efficient practitioners in the field of Environmental Health. He or she will be a valuable member of the community who will have the skills required to advise people and to investigate, evaluate and control the many facets that affect the environment in which we live.

As a result, a career as an EHP is dynamic and incorporates many different fields of interest. EHPs are concerned with the external environment and will deal with topics such as air, land, water and noise pollution. This will require full investigation and the implementation of intervention measures to control the sources of pollution and evaluate how they affect people and the environment. Investigations may extend into the field of urban and regional planning studies, with research into environmental hazards, in order to determine the many potential dangers; we are faced within the world today. By doing such studies, the EHP ensures that communities are generally safe and healthy places to live in. However, the EHP's field of expertise is also required in the internal environment where people are exposed to many hazards. EHPs are extensively involved in all aspects concerning health in the work place or occupational health, which requires the investigation, evaluation, and monitoring of industries with regard to all physical and chemical stresses within the working environment. This may involve asbestos, dusts, heat/cold, stress, noise, chemical hazards, and safety measures and may even extend to high and low pressures such as experienced by drivers and pilots. The EHP may be exposed to urban and rural communities and will be required to work independently and make decisions on their own. An EHP may be involved with communities in order to uplift their standards of health by introducing health awareness and community projects.

To this end, the work involves the:

- Control and prevention of infectious diseases such as cholera, typhoid, rabies and malaria.
- Another sector is Port Health, a division of the Department of Health. The Port Health Officer controls the importation of all food stuffs into the country. In addition, they ensure that no infected person or disease vector is allowed to enter the country by land or sea. This entails placing ships or aircraft under quarantine.
- Solving of a wide range of environmental issues and problems such as the provision of safe food and water and the proper disposal of wastes from all sources.

EHPs are required to ensure that such services are provided in a manner that is acceptable to the people and in terms of various by laws and Government regulations. The EHP acts as a representative of the public in order to ensure that adequate standards are maintained in all sectors. The EHP may be required to carry out risk assessment and risk management programmes in the field of food, environmental and occupational health in order to determine the many risks we are exposed to.

## Duration

The programme is offered over a period of 4 years and runs over 8 semesters

## Career Opportunities

Popular employers are private companies, municipal health departments, and state health, parastatals, provincial, and national government departments. Others include large food manufacturers, industries, mines and some hotel groups and environmental consultancies.

## Entry Requirements (BHS in Environmental Health)

NATIONAL CERTIFICATE (NSC) SENIOR (01 January 2009)		SENIOR CERTIFICATE (SC) PRE 2009			NATIONAL CERTIFICATE (VOCATIONAL) (NCV)	
NSC DEGREE ENTRY		SENIOR CERTIFICATE (SC) A Senior Certificate with OR equivalent qualification.			NATIONAL CERTIFICATE (VOCATIONAL) (NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English (Home) OR English (First Additional)	4	English	D	B	English	70%
Mathematics	4	Mathematics	D	B	Mathematics	70%
Physical Science	4	Physical Science	D	B	Physical Science	70%

Life Science	4	Biology	D	B	Life Science	70%
And two 20 credit subjects not more than one language	4					
<b>Additional Entry Requirements:</b> Applicants are required to present themselves for an interview and will be required to write an assessment test.						

## ADMISSION REQUIREMENTS 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:**

- 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
- A conditional certificate of exemption from the Matriculation Board (when in possession of the Senior Certificate (SC); OR has met
- 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.
- The person's application for admission in terms of with 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 the 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 fees have been indicated below. An increase for next year, to accommodate the inflation rate, can be expected.

**Please Note:** DUT cannot be held liable for the fees in this brochure, as the 2020 fees are not yet final.

### BHS in Environmental Health

Name of Module	Module Code	HEQSF Level	SAQA Credits	2020 Fees
<b>Year One - Semester One</b>				
Chemistry I	CHMT101	5	16	R4370
Anatomy & Physiology IA	ANPA102	5	8	R2300
Fundamental Environmental Health	FNEH101	5	12	R4370
Mathematics	TBA	5	8	R2300
Personal & Professional Develop I OR	PPDV101	6	12	R2080
Iss of Gender & Society in Health Care	IGSH101	6	12	R4670
<b>TOTAL CREDITS</b>			68	
<b>TOTAL</b>				<b>R15887</b>
<b>Semester Two</b>				
Anatomy & Physiology IB	ANPB102	5	8	R4000
Biochemistry I	BCHM101	5	8	R2300
Microbiology I	MENH102	5	16	R4370
Communication	CMMS101	5	8	R2190
Computer Literacy	CLTY101	5	8	R2190
Cornerstone I01	CSTN101	5	12	R2530
<b>TOTAL CREDIT</b>			60	
<b>TOTAL</b>				<b>R17 580</b>
<b>Year Two - Semester One</b>				
Planning For Built Environment	PLBE101	6	16	R4150
Food Hygiene I**	FHYG101	6	20	R7770
Environmental Pollution I	ENPL101	6	16	R4150

Occupational Health & Safety I	OHSF101	6	16	R4150
Cultural Diversity OR	CLDV101	TBA	TBA	R1950
Me, My World, My Universe OR	MWMU101	TBA	TBA	R1950
Introduction to Technopreneurship	TCH101	TBA	TBA	R1800
<b>TOTAL</b>				<b>R25920</b>
<b>Semester One</b>				
Epidemiology I	EPDM101	6	16	R7770
Research Methodology I	RMEH101	6	12	R4670
Sociology and Anthropology I	SOAN101	6	16	R6220
Personal & Professional Development II	PPDV201	TBA	TBA	R2080
Contemp Social Issues in SA CYC Work	CSIC101	TBA	TBA	R6220
<b>TOTAL</b>				<b>R26 960</b>
<b>Year Three - Semester One</b>				
Environ Health Managemt & Admin I	EHMA101	7	20	R5180
Environmental Edge & Legal Processes I	ELLP101	TBA	TBA	R2080
Environmental Pollution II	ENPL201	7	20	R7770
Occupational Health and Safety II	OHSF201	7	20	R7770
The Entrepreneurial Edge OR	TENE101	TBA	TBA	R2080
Equality and Diversity	EQDV101	TBA	TBA	R1950
<b>TOTAL</b>				<b>R26 830</b>
<b>Semester Two</b>				
Epidemiology II	EPDM201	7	20	R6220
Food Hygiene II	FHYG201	7	20	R7770
Health Information Management	HINM101	7	8	R2080
Research Methodology II	RMEH201	7	16	R4670
Personal & Professional Develop III OR	PPDV301	TBA	TBA	R2080
Educational Techniques	EDUT101	TBA	TBA	R4670
<b>TOTAL</b>				<b>R27 490</b>
<b>Year Four - Semester One</b>				
Environmental Health Mngt & Admin II	EHMA201	8	12	R4150
Environl Law and Legal Processes II	ELLP201	8	16	R4150
Occupational Health and Safety III	OHSF302	8	20	R7770
Research Project	RPEH101	8	12	R4670
Restorative Justice OR	RSJS101	TBA	TBA	R2080
Philosophies and History of Healing	PHHL101	TBA	TBA	TBA
<b>Semester Two</b>				
Disaster Management	DSMN101	8	8	R3110
Environmental Pollution III	ENPL301	8	20	R7770
Environmental Management	ENVM101	8	20	R7770
Food Hygiene III	FHYG301	8	16	R6220
Professional & Personal Develop IV OR	PPDV401	TBA	TBA	R3110
Ethics and Medical Law	EMDL101	TBA	TBA	TBA

## Application

Applicants who wish to enrol for the programme must apply through the CAO system by no later than 30 November of the previous year.

## Application Forms

Contact the Central Applications Office (C.A.O.)

### Address letters to:

Central Applications Office  
Private Bag X06  
Dalbridge 4014

Tel: (031) 2684444

Fax: (031) 2684422

### OR

Apply online: <http://www.cao.ac.za>

**CAO Code:** DUDEVH

**Closing date for Applications:** 30 November 2020

## For Further Information

Contact the Department of Community Health Studies  
Durban University of Technology  
P O Box 1334  
DURBAN 4000  
Tel: (031) 373 2696 / 2809