

Career Information

Bachelor of Health Sciences in Environmental Health

Location

Faculty of Health Sciences, Mansfield/Ritson Campus

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. Also, 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, state health, parastatals and provincial and national government departments. Others include large food manufacturers, industries, mines and some hotel groups and environmental consultancies.

Entry Requirements

DEPARTMENTAL NSCREQUIREMENTS		DEPARTMENTAL SENIOR CERTIFICATE REQUIREMENTS		
NSC Degree Entry.		A Senior Certificate or equivalent qualification.		
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG
English (home) OR English (1st additional)	4	English	D	B
Mathematics	4	Mathematics	D	B
Life Sciences	4	Biology	D	B
Physical Science	4	Physical Science	D	B
And two 20 credit subjects (not more than 1 language)	4			

RATING CODE	RATING	MARKS %
7	Outstanding achievement	80-100
6	Meritorious achievement	70-79
5	Substantial achievement	60-69
4	Adequate achievement	50-59
3	Moderate achievement	40-49
2	Elementary achievement	30-39
1	Not Achieved	0 - 29

Additional Entry Requirements: Students are required to present themselves for an interview and will also be required to write an assessment test.

ADMISSION REQUIREMENTS BASED UPON WORK EXPERIENCE, AGE AND MATURITY

I. 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 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. 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.

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

Semester 1

Chemistry I	R4140
Anatomy & Physiology IA	R2180
Fundamental Environmental Health	R4140
Physics I Module 1	TBC
Mathematics	R2180
Personal & Professional Development I	R1970

OR

Issues of Gender and Society in Health Care	R4430
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Semester 2

Anatomy & Physiology IB	R3800
Physics I Module 2	TBC
Biochemistry I	R2180
Microbiology I	R4140
Communication	R2080
Computer Literacy	R2080
Cornerstone 101	R2950

Second Year Curriculum

Semester 1

Planning for Built Environment	R3940
Food Hygiene I	R7370
Environmental Pollution I	R3940
Occupational Health & Safety I	R3940
Cultural Diversity	R1850

OR

Me, My World, My Universe	R1850
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OR

Intro to Technopreneurship	R1710
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Semester 2

Epidemiology	R7370
Research Methodology I	R4430
Sociology & Anthropology I	R5900
Professional & Personal Development II	R1970

OR

Contemporary Social Issues in SA CYC work	R5900
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Third Year Curriculum

Semester 1

Environmental Health Management & Admin I	R4920
Environmental Law and Legal Processes I	R1970
Environmental Pollution II	R7370
Occupational Health and Safety II	R7370

The entrepreneurial Edge	R1970
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OR

Equality and Diversity	R1850
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Semester 2

Epidemiology II	R5900
Food Hygiene II	R7370
Health Information Management	R1970
Research Methodology II	R4430
Personal and Professional /development III	R1970

OR

Educational techniques	R4430
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Fourth Year Curriculum

Semester 1

Environmental Health Management and Admin II	R3940
Environmental Law and Legal Processes II	R3940
Occupational Health and Safety III	R7370
Research Projects	R4430
Restorative Justice	R1970

OR

Philosophies and history of healing	TBC
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Semester 2

Disaster Management	R2950
Environmental Pollution III	R7370
Environmental Management	R7370
Food Hygiene III	R5900
Professional and Personal Development IV	R2950

Or

Ethic and Medical Law	R4070
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Closing date for Applications: 30th August 2019

CAO Code: BHSc – DUDEVH

FOR FURTHER INFORMATION

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

APPLICATION FORMS

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

Address letters to:

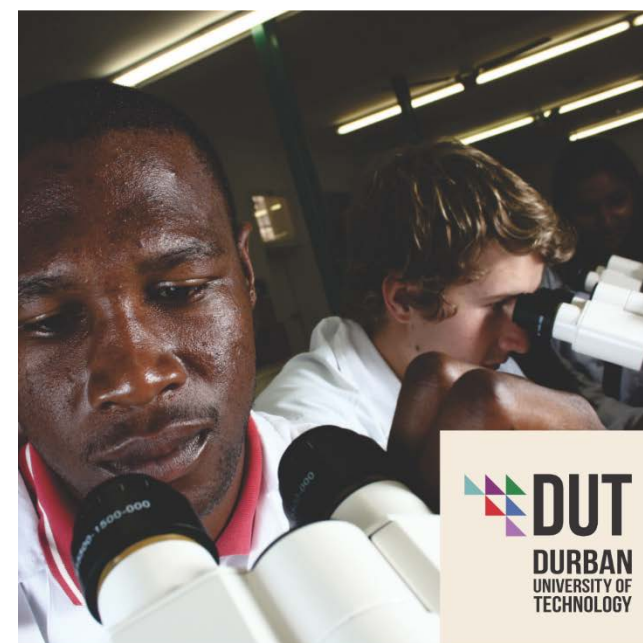
Central Applications Office Private Bag X06

Dalbridge 4014

Tel: (031) 2684444

Fax: (031) 2684422

Internet: <http://www.cao.ac.za>



CAREER INFORMATION

**BACHELOR OF
HEALTH SCIENCES IN
ENVIRONMENTAL
HEALTH**

1 JANUARY - 31 DECEMBER 2020

FACULTY OF
HEALTH
SCIENCES

DEPARTMENT OF
COMMUNITY
HEALTH STUDIES

2020

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