



Environmental Health

The programs offered in this Department are indeed important and links the human race with its interaction between the internal (occupational) and external (pollution) environment. We present interesting formal programs from diploma (3 years full time study) to specialised programs on doctorate level. Our short learning programmes are also very popular that equip students from industry with specialised skills in various areas in the field of environmental health.

National Diploma: Environmental Health

The following are the minimum academic requirements to enroll for the National Diploma programme

In addition to the senior certificate - general and vocational certificate a candidate must adhere to the specific requirements for the programme.

Specific requirements are:

Adequate achievement (i.e. a rating of 4 or more) in English and a moderate achievement (3) in: Mathematics or (4) Mathematical literacy (3), Life Sciences (3) and Physical Science.

Applicants who score 49 or more points according to the Admission Points Score (APS) will be considered for enrolment subject to the availability of space in the programme.

Recommended subjects are:

Geography and Agricultural Sciences

Selection Criteria

Symbol	Higher Grade	Standard Grade
A	5	4
B	4	3
C	3	2
D	2	1
E	1	0

Duration of study

Three years (Nat. Dip: Environmental Health)
First year intake only at Pretoria Campus

Job Opportunities

This programme is designed to develop students in the broad range of skills necessary for protecting our environment and for protecting the health of the people within it. The programme is multidisciplinary, covering a wide range of biological, technological, legal and administrative subjects.

After completion of this programme a person can register with the Health Professions Council of South Africa as an environmental health practitioner. He/she can then practice as an environmental health practitioner in the following areas:

- Health Promotion
- Community development
- Occupational health and safety
- Food and meat hygiene
- Epidemiology
- Environmental pollution control
- Environmental management

Employers include:

- Department of Health
- Department of Labour
- Provincial government
- Municipalities and Metros
- Abattoirs
- Food processing plants
- Industries
- Mining houses
- Practicing as a private practitioner/consultant

TUT students who qualify with this course are competent in the following:

Environmental Management

- Water-, air-, and waste pollution
- Environmental Management System (ISO 14001)
- Environmental Impact Assessment (EIA)
- Environmental Auditing
- Environmental Risk Assessment (ERA)

Occupational Health and Safety

- Identification, evaluation and control of stress factors related to occupational hygiene, i.e. dust, asbestos, gasses, noise, thermal stress, radiation and illumination
- Ensuring compliance with the Occupational Health and Safety Act (OSH Act)
- Health Risk Assessment
- Implementing occupational health programmes
- Occupational hygiene management
- Safety Assessments

Food and Meat Hygiene

- Food microbiology
- Food technology
- Establishing, implementing and maintenance of food safety management systems e.g. HACCP
- Identify and control of biological, physical and chemical food hazards
- Ensuring adherence to standards of hygiene
- Conduct quality tests and carrying out laboratory analyses of biological samples
- Ensuring compliance with food related legislation

Epidemiology

- Knowledge of a wide range of communicable diseases with regard to their nature, spread, prevention and control
- Implementing a successful AIDS strategy
- Designing educational programmes for all workers on the prevention of diseases, thereby improving their quality of life and increasing their productivity



Community Development and Health Promotion

- Communication (negotiation, facilitation)
- Assess communities in participatory development
- Learn to identify and utilise all available resources
- Plan, implement and manage change in their own lives
- Initiate personal or group development projects
- Identification of health problems
- Programmes for Health Promotion
- Community profile development

International Status

This qualification has international recognition and is accepted in a number of countries e.g. UK, New Zealand, Australia and Africa.

B Tech: Environmental Health

Admission requirements

A national diploma in Environmental Health or an equivalent qualification

Duration of study

Two years, block basis

One year full time

Syllabus

Year	Subject Name
4	Research Methodology
4	Management Practice
4	plus two of the following subjects
4	Occupational Health and Safety IV
4	Food Hygiene IV
4	Air Pollution IV
4	Water Quality Management IV
4	Waste Management IV
4	Environmental Epidemiology IV

Closing Date

15 August

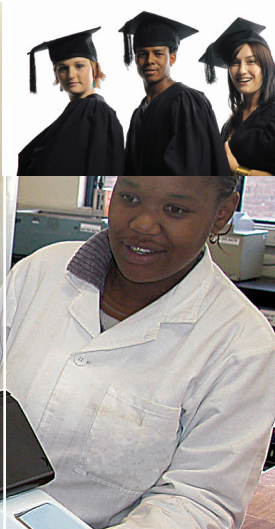
Campus offering

Course only offered on Pretoria Campus

Tel: (012) 382-4498

*Live your life.
Create your destiny.*

- diversity
- ethics
- relevance
- entrepreneurship
- quality
- care
- partnerships
- professionalism



Faculty of Science

Environmental Health



**Tshwane University
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