

# BACCALAUREUS TECHNOLOGIAE: ENVIRONMENTAL HEALTH

Qualification code: BTEH95 - NQF Level 7

Campus where offered: Pretoria Campus (block-mode classes)  
Last year of new intake: 2019  
Teach-out (phase-out) date: 31 December 2021

Students registered for this qualification should complete their studies according to the teach-out date prescribed for the qualification, subject to the stipulations of Regulation 3.1.11 and 3.1.13 in the Students' Rules and Regulations.

Information on phased-out programmes can be obtained from the TUT website, [www.tut.ac.za](http://www.tut.ac.za).

## CURRICULUM

Consult the 2019 Faculty Prospectus for the full contents of the qualification.

## YEAR SUBJECTS

CODE	SUBJECT	CREDIT
MPT400B	Management Practice IV	(0,220)
RMD100F	Research Methodology	(0,180)

### plus two of the following subjects

AIP400T	Air Pollution IV	(0,300)
ENP400T	Environmental Epidemiology	(0,300)
FHY410T	Food Hygiene IV	(0,300)
OHS400T	Occupational Health and Safety IV	(0,300)
WMG400T	Waste Management IV	(0,300)

TOTAL CREDITS FOR THE QUALIFICATION: **1,000**

## SUBJECT INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular subject. At time of publication, the syllabus content was defined as follows:

### A

#### AIR POLLUTION IV (AIP400T)

1 X 3-HOUR PAPER

*(Subject custodian: Department of Environmental Health)*

Sources, control methods and apparatus, legislation, measuring of air pollutants, incinerators, climatology, odor control radio-activity, and analysis of air pollutants. (Total tuition time: ± 120 hours)

### E

#### ENVIRONMENTAL EPIDEMIOLOGY (ENP400T)

1 X 3-HOUR PAPER

*(Subject custodian: Department of Environmental Health)*

An introduction to ecotoxicology and risk factor analysis. Case studies, practical research project. (Total tuition time: ± 120 hours)



**F****FOOD HYGIENE IV (FHY410T)****CONTINUOUS ASSESSMENT***(Subject custodian: Department of Environmental Health)*

Biochemistry, food poisoning, food preservation, processing, contamination, spoilage and inspection. Food microbiology, food engineering (design and apparatus), planning of food premises, evaluation and laboratory. Practical. (Total tuition time: ± 228 hours)

**M****MANAGEMENT PRACTICE IV (MPT400B)****1 X 3-HOUR PAPER***(Subject custodian: Department of Environmental Health)*

Rendering of health services, advanced financial management, advanced personnel management, public relations and contemporary health matters. (Total tuition time: ± 228 hours)

**O****OCCUPATIONAL HEALTH AND SAFETY IV (OHS400T)****1 X 3-HOUR PAPER***(Subject custodian: Department of Environmental Health)*

Control and physical, biological, psychological, chemical and ergonomic stresses. Occupational health and safety audit, legislation and management. (Total tuition time: ± 168 hours)

**R****RESEARCH METHODOLOGY (RMD100F)****CONTINUOUS ASSESSMENT***(Subject custodian: Department of Environmental Health)*

Methodology: methods, data collection, reporting, interaction between supervisor and student, writing of research articles. Statistical methods: measurement scales, graphic representation, correlation and regression, arrangement of data testing, hypotheses, variance analysis. (Total tuition time: ± 228 hours)

**W****WASTE MANAGEMENT IV (WMG400T)****1 X 3-HOUR PAPER***(Subject custodian: Department of Environmental Health)*

Sources of waste, composition and analysis, quantification of waste, nuisance, dumping, method for treatment of waste, indicators to determine health risks, techno-economical studies, safety, the health risks of waste to humans, legislation. (Total tuition time: ± 120 hours)

