



DIPLOMA IN ENVIRONMENTAL SCIENCE

PREAMBLE

The Diploma in Environmental Science is a new programme being offered at the Vaal University of Technology and designed to provide students with knowledge and understanding of Environmental Science as it is applied.

This programme, by its nature, is an interdisciplinary field of study, primarily for understanding the interrelationships of the natural world. It will address and advance the needs of society at a local, regional, national and global level.

It aims to empower students with innovative knowledge & quality technological education, so that graduates will be able to become critical environmental science practitioners.

ADMISSION REQUIREMENTS:

National Senior Certificate (NSC) = NQF4,

- Minimum Achievement Level 4 for Physical Science, Mathematics, and English
- Adding up to 12 points
- Any other 3 subjects totalling 13 points excludes Life Orientation

The minimum Admission Point Score (APS) of (12+13) = 25

MODULE STRUCTURE FOR: Diploma in Environmental Science

YEAR 1	YEAR 2	YEAR 3
Chemistry 1	Environmental Microbiology 2.1	GIS & Remote Sensing Tools for Environmental Applications
Mathematics 1	Microeconomics*	Environmental Economics
Fundamentals of the Natural Environment	Environmental Impact Assessment 2.1	Environmental Law and Planning
ICT Skills	Applied Environmental Statistics	Introduction to Research Methodology in Environmental Science
Physics 1	Environmental Pollution	Industry, Waste and Environment
Applied Communication Skills 1.1	Environmental Impact Assessment 2.2	Climate Change and Natural Disasters
Chemistry 2	Macroeconomics*	Entrepreneurship*
Physics of Environmental Science	Biodiversity and Ecosystem Management	Project in Environmental Science
Earth Processes	Environmental Chemistry	
Water Resources	Environmental Microbiology 2.2	
Applied Communication Skills 1.2		

PROSPECTIVE JOB OPPORTUNITIES

The qualification allows for flexibility within the career path of environmental science

Private sector / Industry
 Non-Profit Organisations
 Government departments