



### CONTACT DETAILS

To find out more about University of Venda's  
Department of Earth Sciences contact:  
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**University of Venda**

*Creating Future Leaders*



**FACULTY OF  
SCIENCE, ENGINEERING  
AND AGRICULTURE**

Department of Earth Sciences



## BACKGROUND

The Department of Earth Sciences within the Faculty of Science, Engineering, and Agriculture at the University of Venda was established with the vision of offering strong core disciplinary earth science programmes while fostering a multidisciplinary culture. This approach creates a platform for meaningful academic discourse that aims to produce competent, well-rounded graduates. The Department's ethos emphasizes an environment that encourages the cross-fertilization of ideas and innovative design methodologies, promoting co-learning and collaboration across different study programmes.

At the undergraduate level, the Department offers two distinctive and internationally comparable hybrid professional programmes: (i) the Bachelor of Earth Sciences in Mining and Environmental Geology, and (ii) the Bachelor of Earth Sciences in Hydrology and Water Resources. Since 2000, the Department has, through these programmes, successfully prepared graduates for careers in mining, geology, hydrology, and water resource management. The alumni of the Department of Earth Sciences are making significant contributions to the development of the mining industry and the water sector in South Africa and across the SADC region.



## QUALIFICATIONS & ADMISSION REQUIREMENTS

### Bachelor of Earth Sciences in Mining and Environmental Geology

Matric passes at D=50% (HG) or C=60% (SG) or 60% pass in NSC or 6 points in both Mathematics and Physical Science, and 50% in English.

### Bachelor of Earth Sciences in Hydrology and Water Resources

Matric passes at D=50% (HG) or C=60% (SG) or 60% pass in NSC in both Physical Science and Mathematics, and 50% in English.

## MSC QUALIFICATION - MASTER OF EARTH SCIENCE

### Admission Requirements

A four-year BSc or BSc Honors degree in Geology, Mining, and Hydrology and Water Resources, with a minimum average score of 65%.

## PHD QUALIFICATION (GEOLOGY, MINING, HYDROLOGY)

### Admission Requirements

Relevant MSc qualification with a minimum score of 65%



## VISION

To offer a comprehensive, interdisciplinary curriculum focusing on the exploration and effective utilization of mineral resources, water resource management, and environmental stewardship through teaching and community-based research.

## MISSION

Advance community learning by engaging in scientific research; provide a high-quality educational experience to students in a diverse learning environment; and partner with communities to provide educational, technical, and cultural support to increase their liveability.

