



BScHons Engineering and Environmental Geology

Engineering Geology

Programme code

02240375

The BSc(Hons) Option: Engineering Geology focuses on Basin analysis (Tectonics part), Mining methods, Site investigation project, Engineering geology of South Africa, Environmental management and risk assessment, Rock engineering, Engineering applications and the following elective modules: Environmental geochemistry, Hydrogeological modelling, Construction materials and Rock and soil improvement.

Apart from the prescribed coursework, a research project is an integral part of the study.

For more information, please consult the Faculty webpage.

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Faculty notes

The Faculty of Natural and Agricultural Sciences is home to more than 6 500 undergraduate and postgraduate students. The Faculty presents degrees in fields ranging from the proverbial A to Z - from actuaries to zoologists, and consists of 13 departments.

All degree programmes are designed to develop problem-solving individuals who can easily adapt to changing circumstances and take the lead in their chosen fields of specialisation. The qualifications awarded are of world-class and provide access to a multitude of career opportunities for dynamic and creative people. According to the latest Times Higher Education World University Rankings the University has achieved new world rankings in Physical Sciences, a discipline which features strongly in NAS and also maintains excellent positions on the ISI Web of Science (WOS) field rankings in Plant and Animal Sciences, Agricultural Sciences, and Environment and Ecology Sciences.

In the Faculty of Natural and Agricultural Sciences, we strive to continuously improve our high impact research and significantly address the national shortage of PhD graduates that respond to global and local challenges.



Minimum duration

1 years, full-time

Admission requirements

BSc (Geology) degree (or equivalent) or BSc (Engineering and Environmental Geology) degree (or equivalent) or relevant bachelor's degree A weighted average of at least 60% for each of the following modules (or equivalent) in applied geology at second-year and third-year level: Soil mechanics, Rock mechanics, Engineering geology