

BACCALAUREUS TECHNOLOGIAE: GEOLOGY

Qualification code: BTGE03 - NQF Level 7

Campus where offered: Arcadia 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.

CURRICULUM

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

FIRST SEMESTER

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ENG401T	Engineering Geology IV	(0,175)	Engineering Geology III
HGE401T	Hydrogeology IV	(0,175)	Hydrogeology III
TOTAL CREDITS FOR THE SEMESTER:		0,350	

SECOND SEMESTER

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
BMN121C	Business Management I	(0,175)	
GTH401T	Geotechnology IV (offered in both semesters)	(0,300)	
GTH401R	Geotechnology IV (re-registration) (offered in both semesters)	(0,000)	
MEG401T	Mining and Exploration Geology IV	(0,175)	Mining and Exploration Geology III
TOTAL CREDITS FOR THE SEMESTER:		0,650	
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:

B

BUSINESS MANAGEMENT I (BMN121C)

1 X 3-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Management principles. Principles of financial management. Labour relations. Environmental management. Resources management and mineral economy. Entrepreneurial skills. (Total tuition time: ± 60 hours)

E

ENGINEERING GEOLOGY IV (ENG401T)

1 X 3-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Case studies. Exploration techniques for engineering materials. Core logging. Geomechanics. Engineering geophysics. Seminars and self-study. (Total tuition time: ± 77 hours)



G**GEOTECHNOLOGY IV (GTH401T/R)****PROJECT ASSESSMENT****(Subject custodian: Department of Environmental, Water and Earth Sciences)**

Research project and report. (Total tuition time: ± 120 hours)

H**HYDROGEOLOGY IV (HGE401T)****1 X 3-HOUR PAPER****(Subject custodian: Department of Environmental, Water and Earth Sciences)**

Advanced hydrochemistry. Analysis of the appearance and movement of groundwater. Seminars and self-study. (Total tuition time: ± 60 hours)

M**MINING AND EXPLORATION GEOLOGY IV (MEG401T)****1 X 3-HOUR PAPER****(Subject custodian: Department of Environmental, Water and Earth Sciences)**

Ore resources calculations and financial evaluation of resources. (Total tuition time: ± 120 hours)

