

BACCALAUREUS TECHNOLOGIAE: POLYMER TECHNOLOGY

Qualification code: BTPY03 - NQF Level 7

Campus where offered: Pretoria Campus (block-mode classes)
Last year of new intake: July 2019
Teach-out (phase-out) date: 30 June 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
POP411T	Polymer Technology: Practical IV	(0,250)
PYT401T	Polymer Technology IV	(0,250)
TOTAL CREDITS FOR THE FIRST SEMESTER:		0,500

SECOND SEMESTER

CODE	SUBJECT	CREDIT
PWP410T	Polymer Science: Practical IV (year subject)	(0,250)
PWP411R	Polymer Science: Practical IV (re-registration)	(0,000)
PYW401T	Polymer Science IV	(0,250)
TOTAL CREDITS FOR THE SECOND SEMESTER:		0,500
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 module. On 01 October 2019, the syllabus content was defined as follows:

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POLYMER SCIENCE IV (PYW401T)

CONTINUOUS ASSESSMENT

(Subject custodian: Department of Chemical, Metallurgical and Materials Engineering)

There are two components, namely Polymer Chemistry and Polymer Physics. Polymer Chemistry examines the bond between the chain structure, morphology, microstructure and the solvability and molecular mass. Speciality polymer, cross-bonding reactions and the mechanism of degradation and protection against degradation are also examined. (Total tuition time: ± 80 hours)

POLYMER SCIENCE: PRACTICAL IV (PWP410T, PWP411R)

CONTINUOUS ASSESSMENT

(Subject custodian: Department of Chemical, Metallurgical and Materials Engineering)

Practicals relating to Polymer Science IV. (Total tuition time: ± 80 hours)



POLYMER TECHNOLOGY IV (PYT401T)**CONTINUOUS ASSESSMENT**

(Subject custodian: Department of Chemical, Metallurgical and Materials Engineering)

This subject comprises compulsory, as well as free-choice, subject matter. Compulsory subject matter includes the selection of polymers and mix design, chemical technology of fluid systems, cellular polymers, polymer films, textiles, polymer morphology, polymer structural analysis. (Total tuition time: ± 80 hours)

POLYMER TECHNOLOGY: PRACTICAL IV (POP411T)**CONTINUOUS ASSESSMENT**

(Subject custodian: Department of Chemical, Metallurgical and Materials Engineering)

Practicals relating to Polymer Technology IV. (Total tuition time: ± 80 hours)

