

# BACCALAUREUS TECHNOLOGIAE: AGRICULTURE: CROP PRODUCTION\*

## Qualification code: BTAR05 - NQF Level 7

Campus where offered: Pretoria 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](http://www.tut.ac.za).

Key to asterisks:

\* Information does not correspond to information in Report 151.  
(Deviations approved by the Senate on May 2007 and Senex on 22 June 2011.)

### CURRICULUM

Consult the 2018 Faculty Prospectus for the full contents of the qualification.

**SUBJECTS PRINTED IN BOLD ARE NOT FOR REGISTRATION PURPOSES.**

### YEAR SUBJECTS

CODE	SUBJECT	CREDIT
CRO400T	Crop Production IV	(0,250)
FVP400T	Fruit and Vegetable Production IV*	(0,250)
PJG400F	Crop Science Project IV*	(0,250)
<b>RMD100C</b>	<b>Research Methodology</b>	
RMD10PC	Research Methodology: Agriculture	(0,125)
RMD10QC	Research Methodology: Biometry	(0,125)
TOTAL CREDITS FOR THE QUALIFICATION:		<b>1,000</b>

### 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:

#### C

#### **CROP PRODUCTION IV (CRO400T)**

*(Subject custodian: Department of Crop Sciences)*

**CONTINUOUS ASSESSMENT**

An in-depth study of botany and production of a crop or groups of crops that are cultivated on a commercial scale. These include agronomic crops, vegetable crops, fruit crops and other crops. (Total tuition time: ± 50 hours)

#### **CROP SCIENCE PROJECT IV (PJG400F)**

*(Subject custodian: Department of Crop Sciences)*

**CONTINUOUS ASSESSMENT**

Syllabus content not available. Please contact the Head of the Department.



**F****FRUIT AND VEGETABLE PRODUCTION IV (FVP400T)****1 X 3-HOUR PAPER****(Subject custodian: Department of Crop Sciences)**

Introduction to postharvest losses of fruit and vegetables: Describing the type and extent of losses; the causes, where and how the losses occur. Basic postharvest management protocols to reduce food loss in the supply chain. Quality assurance: quality components; quality criteria in standard for fresh fruit and vegetables; factors affecting quality; methods for quality evaluation. (Total tuition time: not available)

**R****RESEARCH METHODOLOGY: AGRICULTURE (RMD10PC)****1 X 2-HOUR PAPER****(Subject custodian: Department of Crop Sciences)**

Planning, designing and conducting research; meaning of research; tools in research; research paradigms; research and society; research project cycle; review of literature and citing sources; quantitative research including the survey method and the experimental method; qualitative research; ethics in research: the research proposal. (Total tuition time: ± 48 hours)

**RESEARCH METHODOLOGY: BIOMETRY (RMD10QC)****1 X 2-HOUR PAPER****(Subject custodian: Department of Crop Sciences)**

Introduction to statistics and biometry; general concepts in statistics; presenting and summarising data; relationships between variables (regression); probability theory; probability distributions; estimating population parameters; hypothesis testing. (Total tuition time: ± 48 hours)