

# BACCALAUREUS TECHNOLOGIAE: AGRICULTURE: DEVELOPMENT AND EXTENSION\*

Qualification code: BTDX05 - 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 in May 2007.)

## CURRICULUM

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

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

### FIRST YEAR

CODE	SUBJECT	CREDIT
AEX400T	Agricultural Extension IV	(0,250)
AGC100T	Agricultural Communication I	(0,250)
<b>RMD100C</b>	<b>Research Methodology</b>	
RMD10PC	Research Methodology: Agriculture	(0,125)
RMD10QC	Research Methodology: Biometry	(0,125)

**plus one of the following subjects:**

CRO400T	Crop Production IV	(0,250)
DPS400T	Animal Production IV	(0,250)

TOTAL CREDITS FOR THE QUALIFICATION: **1,000**

## SUBJECT INFORMATION (OVERVIEW OF SYLLABUS)

Please take note that for the 2020 academic year certain modules will be assessed as continuous assessment.  
Please contact the Academic Department for further information.

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. On 25 October 2019, the syllabus content was defined as follows:

### A

#### AGRICULTURAL COMMUNICATION I (AGC100T)

**1 X 3-HOUR PAPER**

*(Subject custodian: Department of Crop Sciences)*

The importance of group forming in the work sphere. Productive leadership and participation in democratic groups. The functioning of groups within the dynamic environment. The use of groups for solving problems and increasing productivity. The management of groups with various group techniques. Defining aims and evaluations in groups. Leadership types and styles and their management implications. (Total tuition time: ± 70 hours)



**AGRICULTURAL EXTENSION IV (AEX400T)****1 X 3-HOUR PAPER****(Subject custodian: Department of Crop Sciences)**

The philosophic relationship between extension and programme planning. Agricultural problems and their solutions. Handling of the problem-solving process. Drawing up of extension programmes, gathering of information. Principles of interviewing. The relationship between extension programmes, educational principles, communication and marketing. Implementation of programmes. The principles of personnel and financial management. (Total tuition time: ± 50 hours)

**ANIMAL PRODUCTION IV (DPS400T)****CONTINUOUS ASSESSMENT****(Subject custodian: Department of Animal Sciences)**

Advanced concepts in small stock, poultry, pig, beef, milk and fodder production. Preparation and presentation of three seminars on approved animal and fodder production topics. (Total tuition time: ± 300 hours)

**C****CROP PRODUCTION IV (CRO400T)****CONTINUOUS ASSESSMENT****(Subject custodian: Department of Crop Sciences)**

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)

**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)

