

# BACCALAUREUS TECHNOLOGIAE: OPERATIONS MANAGEMENT

Qualification code: BTOS04 - NQF Level 7

Campus where offered: Pretoria Campus (evening classes)  
Last year of new intake: 2018  
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).

## CURRICULUM

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

## YEAR SUBJECTS

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
FPC300T	Financial Planning and Control III	(0,250)	
IDM100C	Introduction to Marketing Management I	(0,200)	
ORM400T	Operations Management IV	(0,250)	Operations Management III
OTE400T	Operations Management Techniques IV	(0,250)	Operations Management Techniques III
RMD100G	Research Methodology	(0,050)	
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:

### F

#### FINANCIAL PLANNING AND CONTROL III (FPC300T)

1 X 3-HOUR PAPER

*(Subject custodian: Department of Finance and Investment)*

Selected management accounting and financial management techniques for production managers. The subject consists of two parts. (Total tuition time: ± 40 hours)

### I

#### INTRODUCTION TO MARKETING MANAGEMENT I (IDM100C)

1 X 3-HOUR PAPER

*(Subject custodian: Department of Marketing, Supply Chain and Sport Management)*

The basic principles of marketing management. (Total tuition time: ± 48 hours)

### O

#### OPERATIONS MANAGEMENT IV (ORM400T)

1 X 3-HOUR PAPER

*(Subject custodian: Department of Operations Management)*

Product planning and competitive priorities. Quality management. Process design. New technologies. Work measurement. Capacity and maintenance. Location. Works and process layout. Production and staffing plans. Master production scheduling. Materials requirement planning. High-volume production systems. Workforce and operations scheduling. Quality control. (Total tuition time: ± 64 hours)



**OPERATIONS MANAGEMENT TECHNIQUES IV (OTE400T)**  
**(Subject custodian: Department of Operations Management)**

**1 X 3-HOUR PAPER**

Non-linear programming. Advanced simulation, calculus and probability, EOQ modules and forecasting modules. (Total tuition time: ± 64 hours)

**R**

**RESEARCH METHODOLOGY (RMD100G)**

**1 X 3-HOUR PAPER**

**(Subject custodian: Department of Operations Management)**

Introduction to research, the methodology of research and research strategies, the ability to undertake a research, research assignment in a unique speciality area, independently. The physical gathering of data, analysing data statistically and otherwise. (Total tuition time: ± 64 hours)

