

# BACCALAUREUS TECHNOLOGIAE: ARCHITECTURE: PROFESSIONAL (Extended curriculum programme with foundation provision) Qualification code: BTPSF0 - NQF Level 7 (4,000 credits)

Campus where offered: Pretoria Campus (day classes)  
Last year of new intake: 2017  
Teach-out (phase-out) date: 31 December 2025

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 2017 Faculty Prospectus for the full contents of the qualification.

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

### FIRST YEAR

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
FPALC01	Foundation Architectural Language and Communication	(0,100)	
FPBBL01	Foundation Building Business Law and Practice	(0,100)	
FPBSC01	Foundation Building Science	(0,100)	
FPPAD01	Foundation Principles of Architectural Design	(0,100)	
FPTAD01	Foundation Technical Architectural Drawing	(0,100)	
TOTAL CREDITS FOR THE FIRST YEAR:		<b>0,500</b>	

### SECOND, THIRD, FOURTH AND FIFTH YEARS

Students will follow the same structure as the first, second, third and fourth years of the Baccalaureus Technologiae: Architecture: Professional (Phasing out) (BTPS09)

## SUBJECT/MODULE 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. On 13 October 2017, the syllabus content was defined as follows:

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#### FOUNDATION ARCHITECTURAL LANGUAGE AND COMMUNICATION (FPALC01)

#### CONTINUOUS ASSESSMENT

*(Subject custodian: Department of Architecture)*

Module 1: architectural presentation techniques: introduction to the various methods of communicating design ideas and concepts to clients and peers (oratorical and linguistic tutoring). An introduction to the use of artistic media to present design ideas (pencil, markers, watercolour and 3D CAD programs). Building basic models for design development and presentation purposes (cutting boards, glue, skills in constructing models). Module 2: language cultural studies: Language course on writing, oral skills development and public speaking. Writing essays related to the architectural field. Prescribed reading: architecture- and language-related (building architectural vocabulary, background and world view). (Total tuition time: ± 42 hours)



**FOUNDATION BUILDING BUSINESS LAW AND PRACTICE (FPBBL01)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Architecture)*

Module 1: legislation (fundamental building regulations): introduction to building regulations commonly applied to small, single-storey residential buildings, and terminology used in local authorities' town planning schemes (building lines, street setback, zoning, etc.). Module 2: submission and approval procedures of building plans: format of drawings needed for approval purposes, accompanying documentation (application forms, title deeds, etc.), and procedures of submission and approval. Visit to local council. Module 3: Architecture as a career: the composition of the architectural profession as part of the field of physical design and construction. Module 4: Architecture as business: brief overview of the economics and legalities involved in providing architectural services (introduction to legal implications and professional indemnity insurance). An investigation of the relevant SACAP published schedules relevant to architects. (Total tuition time: ± 42 hours)

**FOUNDATION BUILDING SCIENCE (FPBSC01)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Architecture)*

Module 1: theory: constructing simple buildings Francis Ching: theory of commonly used building construction methods and materials. Elementary principles of building science related to architectural design. Module 2: practical: learning to build: practical building course: students construct their own chair. (Total tuition time: ± 42 hours)

**FOUNDATION PRINCIPLES OF ARCHITECTURAL DESIGN (FPPAD01)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Architecture)*

Module 1: principles of architectural design: introduction to the process of design. Focus on pragmatic planning principles, relationship of spaces, ergonomic principles and application of structure and construction as part of design decision-making. Module 2: architectural terminology and theory: introduction to the language used in architectural theory. The focus will be on the correct use of terminology through examples and an explanation of their meaning. Module 3: overview of the history of architectural styles: A chronological overview of architectural styles and their context. (Total tuition time: ± 252 hours)

**FOUNDATION TECHNICAL ARCHITECTURAL DRAWING (FPTAD01)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Architecture)*

Module 1: Introductory principles for architectural draughting: the development of draughting skills and principles relevant to architectural studies. The module starts with basic exercises aimed at developing small motor skills with the purpose of preparing the student for first-year draughting. Introductory skills in drawing by hand (on a drawing board with instruments). Module 2: Computers in architecture: basic computer skills and understanding basic software packages (Microsoft Word, etc.). Overview of the use of computers in the architectural profession. Introduction to uses of design-focused software (SketchUp and ArchiCAD). (Total tuition time: ± 48 hours)

