

## ADVANCED DIPLOMA IN QUANTITY SURVEYING

AdvDip (Quantity Surveying) - NQF Level 7 (120 credits)

Qualification code: ADQS23

SAQA ID: 119070, CHE NUMBER: H/H16/E219CAN

Campus where offered:

Pretoria Campus

### REMARKS

*a. Admission requirement(s):*

A Diploma in Building Science, or a Diploma in Building, or a National Diploma: Building, or any other NQF Level 6 qualification with 360 credits in a closely related field. An aggregate of 60% or more for any of the mentioned qualifications are required. Candidates should also have an average of 60% or more for the each of the following modules: Quantity Surveying III or (Descriptive Quantification III), Construction Technology III or (Building Technology III), Price Analysis and Estimating III (or Building Costing and Estimating III).

Holders of any other equivalent South African or international qualification may also be considered, see Chapter 1 of Students' Rules and Regulations.

*b. Selection criteria:*

Selection will be based on academic performance. All completed applications received within the published due dates will be ranked. After consideration of the Departmental Student Enrolment Plan, only the top ranking applicants will be selected. Once a programme is full, a waiting list will be in place to provide an opportunity for applicants to fill places of those who did not meet the 60% requirement. Applicants will be informed of their status per official letter from the Office of the Registrar; alternatively, they can check their application status on the TUT website, [www.tut.ac.za](http://www.tut.ac.za).

*c. Recognition of Prior Learning (RPL), equivalence and status:*

See Chapter 30 of Students' Rules and Regulations.

*d. Intake for the qualification:*

January only.

*e. Presentation:*

Evening classes.

*f. Minimum duration:*

One year.

*g. Exclusion and readmission:*

See Chapter 2 of Students' Rules and Regulations.

### CURRICULUM

#### ATTENDANCE

CODE	MODULE	NQF-L	CREDIT
CEC107V	Construction Economics	(7)	(24)
CCS107V	Construction Contracts and Administration	(7)	(24)
BDM107V	Business Development and Management	(7)	(24)
DQU107V	Advanced Descriptive Quantification	(7)	(24)



## FIRST SEMESTER

RQS117V Research Methodology: (7) (12)  
Quantity Surveying

## SECOND SEMESTER

PLV117V Property Law and Valuations (7) (12)

TOTAL CREDITS FOR THE QUALIFICATION: 120

## MODULE INFORMATION (OVERVIEW OF SYLLABUS)

### A

**ADVANCED DESCRIPTIVE QUANTIFICATION (DQU107V) 1 X 3-HOUR PAPER**  
(Module custodian: Department of Building Sciences)

A comprehensive study of the measurement of more specialised elements of builder's work, including baments, underpinning, ground anchors, planking and strutting, shoring, composite/coffered and troughed reinforced concrete slabs, retaining walls, precast concrete, external works, etc. Measurement of Electrical and Mechanical installations. MMeasurement of Civil Engineering work including site investigations and clearing, earthworks, dredging, concrete work, brickwork, piling, steelwork, roads and paving, pipelines and railway lines and sidings. Computer measurement in Win QS, QS Plus and CCS. Undertake advanced descriptive quantification and manage price determination processes for Built Environment Projects. (Total notional time: 240 hours)

### B

**BUSINESS DEVELOPMENT AND MANAGEMENT (BDM107V) 1 X 3-HOUR PAPER**  
(Module custodian: Department of Building Sciences)

This module equips students with knowledge of entrepreneurship and business management in application to the built environment context. Using the theory of creativity and innovation, students are equipped with methods and techniques for opportunity identification and evaluation. Students are exposed to the nature and the development of entrepreneurship. Students are exposed to legislation affecting entrepreneurship, post startup challenges, managing growth within an enterprise, business failures and turnaround strategies, business ethics, corporate entrepreneurship and e-commerce. Students are expected to develop and present of sound business proposal. Manage risk on Built Environment Projects(Total notional time: 240 hours)

### C

**CONSTRUCTION CONTRACTS AND ADMINISTRATION (CCS107V) 1 X 3-HOUR PAPER**  
(Module custodian: Department of Building Sciences)

Built Environment project procurement systems; The profile of clients; Alternative types of contract documents; Collecting client information; Evaluating project procurement systems; Undertake built environment project buildability analysis; Recommending and agreeing on the choice of price determination; Accessing and distributing input documents and trends in development of Procurement methods; Introduction to finals accounts; Preparing to compile the final account; Conducting negotiations on claims settlement; Claims and status reports; Drafting the final account; Unpacking specific clauses in the following contracts: JBCC PBA, JBCC Minor works, GCC 2014, NEC4, FIDIC; and Contract Pricing Strategies. (Total notional time: 240 hours)

**CONSTRUCTION ECONOMICS (CEC107V) 1 X 3-HOUR PAPER**  
(Module custodian: Department of Building Sciences)

Construction economics and sustainable development; Property economics, fiancé and strategic investments; Project cost information database compilation; Financial feasibility studies and risk management for built environment projects; Whole life appraisals of built environment; and Value management processes on built environment projects. (Total notional time: 240 hours)



**P****PROPERTY LAW AND VALUATIONS (PLV117V)****1 X 3-HOUR PAPER****(Module custodian: Department of Building Sciences)**

Introduction to the Law of Property, matters such as legal objects, property rights, real rights and creditor's rights, introduction to ownership, co-ownership, statutory land use, limitations on ownership, original acquisition of ownership, derivative acquisition of ownership, protection of ownership, termination of ownership, possession and holder ship, Introduction to possession and holder ship, acquisition of possession and holder ship, protection of possession and holder ship, termination of possession and holder ship, limited Real Rights and other Rights in Property, introduction to limited real rights and other rights in property, servitudes and restrictive conditions, real security: pledge and mortgage, Real security rights created by law, other property rights, Constitutional Property Law, introduction to Constitutional Property Law, property rights: Section 25, reform of property law, property valuation, introduction to property valuation, legislation in property valuation, property development, introduction to property development, and legislation in property development. (Total notional time: 120 hours)

**R****RESEARCH METHODOLOGY: QUANTITY SURVEYING (RQS117V)****1 X 3-HOUR PAPER****(Module custodian: Department of Building Sciences)**

This module will provide the knowledge needed to: understand and apply the research processes to construction related problems and questions, and to define a research problem within the built Environment Field. The study is to include qualitative versus quantitative approaches. Sourcing of information and literature reviews. Harvard method of citation. Sampling, research instruments, Hypotheses, research objectives, referencing methodology, Survey instruments, data collection, data analysis etc. Students will be able to formulate a research proposal (Total notional time: 120 hours)

