

## ADVANCED DIPLOMA IN DENTAL TECHNOLOGY

AdvDip (Dental Technology) - NQF Level 7 (120 credits)

Qualification code: **ADDT20**

SAQA ID: 111257, CHE NUMBER: H/H16/E119CAN

Campus where offered: Pretoria Campus

Please note that this programme will have no new intakes until further notice.

### REMARKS

*a. Admission requirement(s):*

A Diploma in Dental Technology, **or** a National Diploma: Dental Technology, **or** a relevant bachelor's degree, **or** an equivalent qualification at NQF Level 6 with a minimum of 360 credits.

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:*

Admission is subject to selection by a departmental selection panel. Prospective students will be evaluated based on the marks obtained in the previous qualification and/or work experience.

Acceptance is subject to available capacity according to the Student Enrolment Plan (SEP). 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:*

Block-mode 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
BPR107V	Business Practice	(7)	(12)
CBR107V	Crown and Bridge	(7)	(18)
MRD107V	Metal Partial Dentures	(7)	(18)
ORD107V	Orthodontics	(7)	(12)
PSH107V	Prosthetics	(7)	(18)

#### FIRST SEMESTER

CPO117V	Communication for Occupational Purposes	(7)	(6)
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DMS117V	Dental Materials Science	(7)	(6)
JUR117V	Jurisprudence	(7)	(6)
OPH117V	Oral Physiology and Pathology	(7)	(6)
RDT117V	Research	(7)	(12)

## SECOND SEMESTER

MXP117V	Maxillofacial Prosthetics	(7)	(6)
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TOTAL CREDITS FOR THE QUALIFICATION: **120**

## 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 module. At time of publication, the syllabus content was defined as follows:

### B

#### **BUSINESS PRACTICE (BPR107V) 1 X 3-HOUR PAPER**

*(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)*

Theoretical knowledge of advanced principles of supervision and management and how to apply these principles in practice and is a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, be an employer, and supervise a dental laboratory. (Total notional time: 120 hours)

### C

#### **COMMUNICATION FOR OCCUPATIONAL PURPOSES (CPO117V) 1 X 3-HOUR PAPER**

*(Module custodian: Office of the Executive Dean)*

Communication theory; organisational communication; small group communication; employment; internal business documentation; external business documentation; meeting procedure; marketing; stress management/self-management and human relations; multicultural interaction; career-specific vocabulary. (Total notional time: 60 hours)

#### **CROWN AND BRIDGE (CBR107V) 1 X 3-HOUR PAPER AND PRACTICAL ASSESSMENT**

*(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)*

Theoretical knowledge and practical skills required for the components of a porcelain bonded crown with reference to sub-structure, porcelain types pertaining to colour, transparency, etc. The qualified student can register with the SADTC as a Dental Technologist entitling him/her to be a laboratory owner, be an employer, and supervise a dental laboratory. (Total notional time: 180 hours)

### D

#### **DENTAL MATERIALS SCIENCE (DMS117V) 1 X 3-HOUR PAPER**

*(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)*

Theoretical knowledge to understand the physical, mechanical and chemical properties of materials used for advanced dental appliance/prosthesis manufacturing, and is a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, be an employer, and supervise a dental laboratory. (Total notional time: 60 hours)

**J****JURISPRUDENCE (JUR117V)****1 X 3-HOUR PAPER****(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

In depth knowledge of the Dental Technicians Act, 1979 (Act No. 19 of 1979), municipal by-laws and legal aspects regarding the founding of a dental laboratory a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, be an employer, and supervise a dental laboratory. (Total notional time: 60 hours)

**M****MAXILLOFACIAL PROSTHETICS (MXP117V) 1 X 3-HOUR PAPER AND PRACTICAL ASSESSMENT**  
**(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

Theoretical knowledge and practical skills to design and manufacture artificial eyes, ears, noses, appliances for cleft palate and mouth controlled appliances for disabled persons. This is a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, be an employer, and supervise a dental laboratory. (Total notional time: 60 hours)

**METAL PARTIAL DENTURES (MRD107V) 1 X 3-HOUR PAPER AND PRACTICAL ASSESSMENT**  
**(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

Theoretical knowledge and practical skills to design and manufacture clinically acceptable metal frame partial dentures. (Total notional time: 180 hours)

**O****ORAL PHYSIOLOGY AND PATHOLOGY (OPH117V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

Theoretical knowledge of the functions of the body and the diseases of the mouth, jaws and related structures. This is a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, be an employer, and supervise a dental laboratory. (Total notional time: 60 hours)

**ORTHODONTICS (ORD107V) 1 X 3-HOUR PAPER AND PRACTICAL ASSESSMENT**  
**(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

Theoretical knowledge and practical skills required design and manufacture advanced dental appliances, and is a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, an employer, and supervise a dental laboratory. (Total notional time: 120 hours)

**P****PROSTHETICS (PSH107V) 1 X 3-HOUR PAPER AND PRACTICAL ASSESSMENT**  
**(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

Theoretical knowledge and practical skills required to design and manufacture fully balanced functional upper- and lower dentures and other advanced dental appliances. It is a part requirement to be registered with the SADTC as a Dental Technologist entitling the student to be a laboratory owner, an employer, and supervise a dental laboratory. (Total notional time: 180 hours)

**R****RESEARCH (RDT117V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Sport, Rehabilitation and Dental Sciences)**

Detailed knowledge as well as an ability to apply and evaluate the key terms, concepts, facts, principles, rules and theories of research in related fields of study in Science. The module should further provide the student with competencies such as, but not limited to review, research, writing and reporting. (Total notional time: 120 hours)

